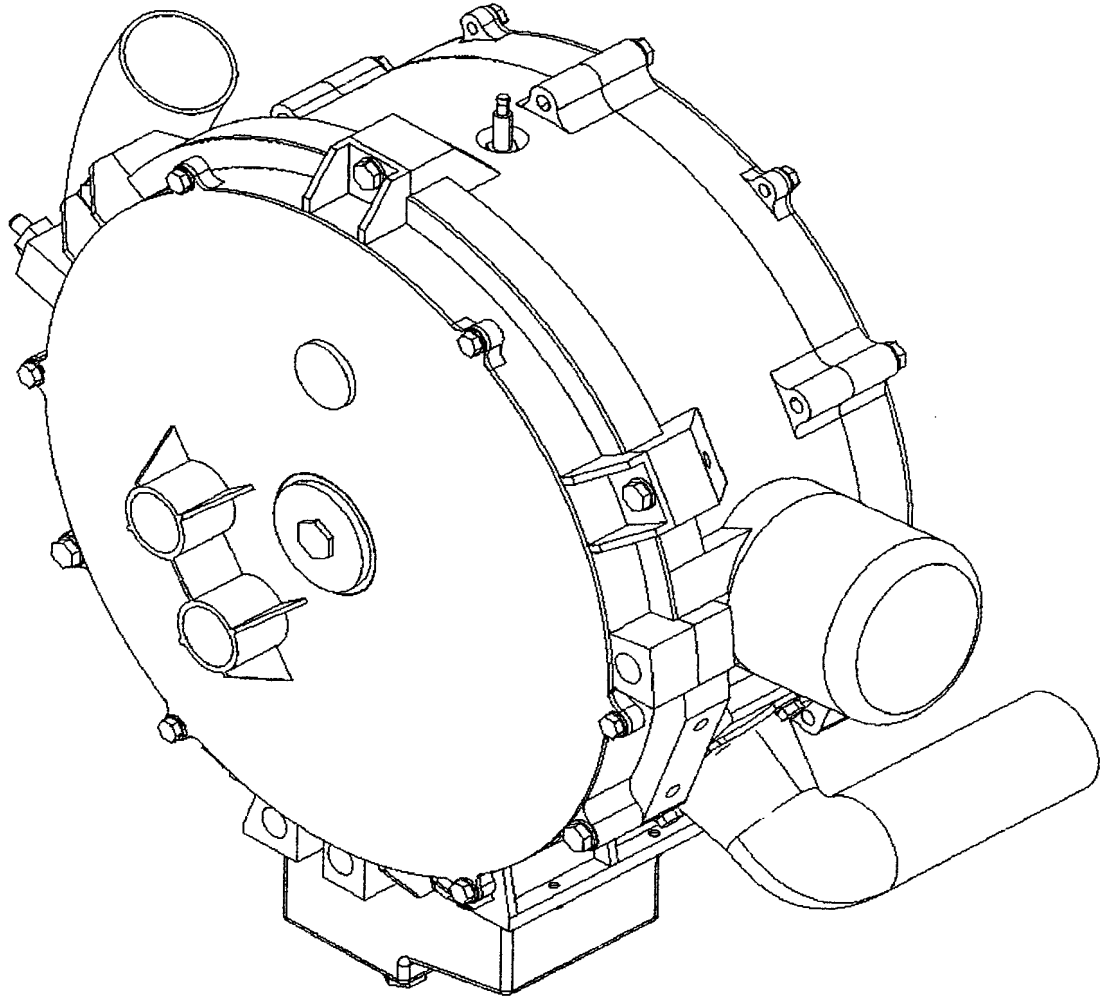


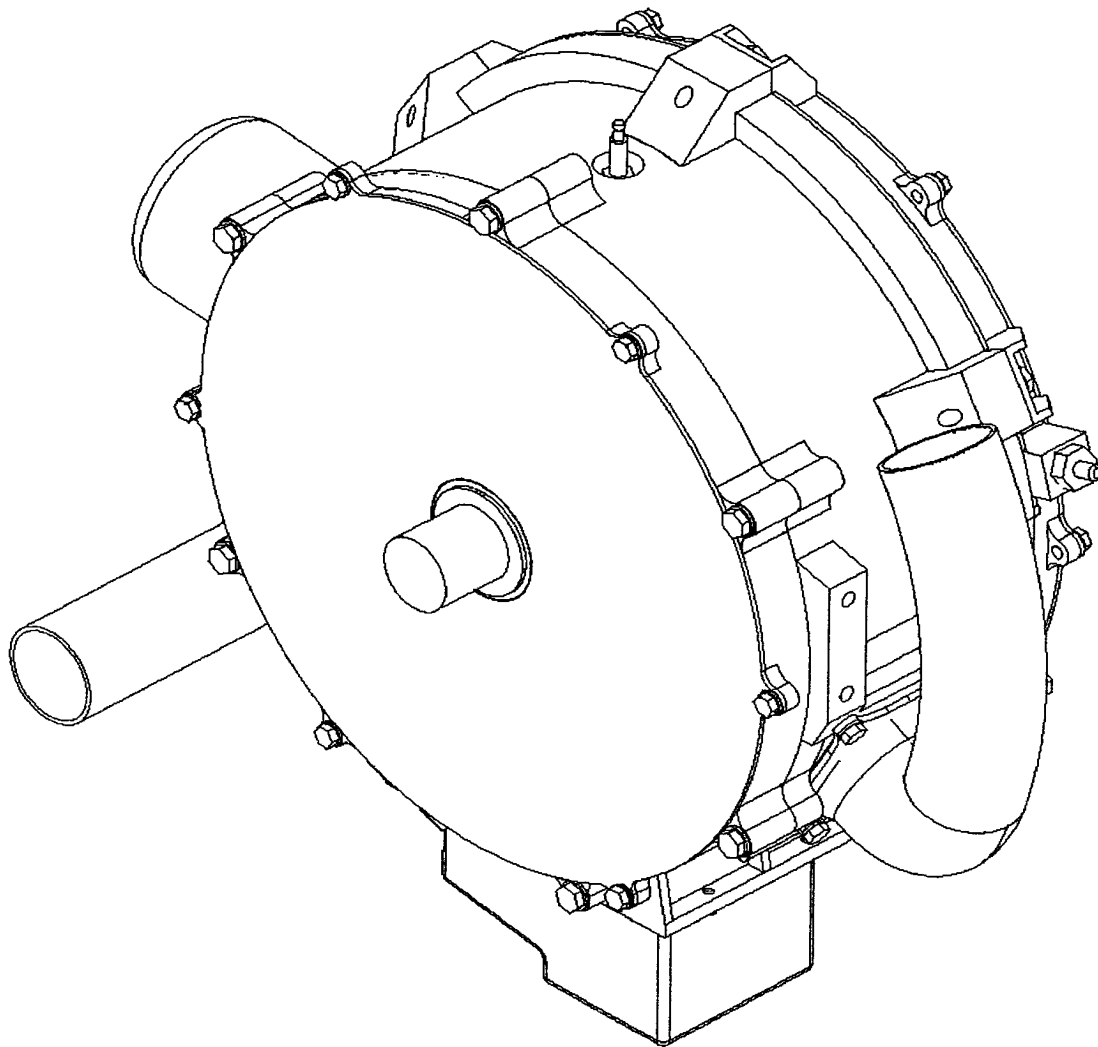
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FRONT VIEW OF COMPLETE ROTARY ENGINE

FIG. 1a

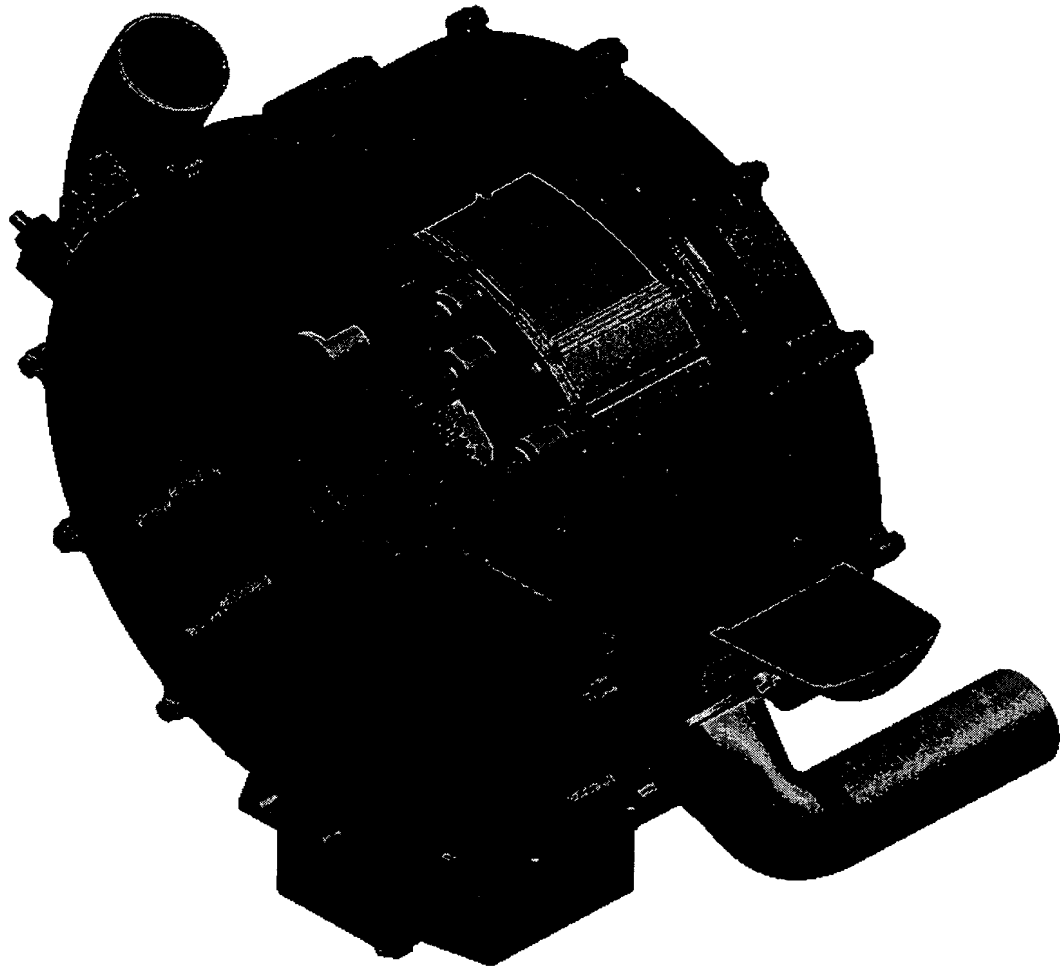
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REAR VIEW OF COMPLETE ROTARY ENGINE

FIG. 1b

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CUTAWAY VIEW OF ROTARY ENGINE

FIG. 2

# ROTARY ENGINE PARTS LIST

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ASSEMBLY	SUBASSEMBLY	PART	PART NO.
ROTOR ASSEMBLY			1000
	CHAMBER SUBASSEMBLY		1100
		CHAMBER SIDES FIXING BOLT & WASHER	1101
		PISTON PIN RETAINING RING	1102
		OIL BRIDGE	1103
		CIRCULAR SEAL	1104
		RIGHT HAND CHAMBER SIDE	1105
		CORNER SEAL	1106
		CORNER SEAL SPRING	1107
		PISTON	1108
		PISTON REAR SEAL	1109
		PISTON FRONT SEAL	1110
		PISTON SIDE SEAL	1111
		PISTON RR & FR SEAL SPRING	1112
		PISTON SIDE SEAL SPRING	1113
		LEFT HAND CHAMBER SIDE	1114
		TRANSVERSE SEAL	1115
		TRANSVERSE SEAL SPRING	1116
		PISTON PIN	1117
		PISTON ROD	1118
		PISTON ROD RETAINING RING	1119
		OIL FLOW LIMITER	1120
	PLANET GEAR SUBASSEMBLY		1200
		PLANET GEAR RETAINING RING	1201
		PLANET GEAR	1202
		PLANET GEAR SUPPORT LOCATOR PIN	1203
		PLANET GEAR SUPPORT	1204
		PLANET GEAR SUBASSY FIXING BOLT & WASHER	1205
	SHAFT SUBASSEMBLY		1300
		MAIN SHAFT	1301
		COTTER PIN	1302
		SLOTTED NUT	1303
		WASHER	1304
		SPRING	1305
		LOCK TONGUE	1306
		LOCK LEVER	1307
		LUBRICATION HOLE OBTURATOR	1308
CASING ASSEMBLY			2000
		CASING	2101
		SPARK PLUG	2102
		OIL FILTER ADAPTER	2103
		OIL FILTER	2104
		EXHAUST GAS OUTLET	2105
		EXHAUST GAS OUTLET BOLT & WASHER	2106
		OIL TANK BOLT	2107
		OIL TANK STRAINER	2108
		OIL TANK	2109
		OIL DRAIN BOLT	2110
		AIR-FUEL MIXTURE INLET	2111
		AIR-FUEL MIXTURE INLET BOLT & WASHER	2112
LEFT HAND END COVER ASSEMBLY			3000
		OIL REFILL HOLE CAP	3101
		LH END COVER PLATE	3102
		PLATE TO END COVER FIXING BOLT & WASHER	3103
		END COVER TO CASING FIXING BOLT & WASHER	3104
		LH END COVER	3105
		OIL PRESSURE SENSOR	3106
		SUN GEAR	3107
		SUN GEAR BOLT & WASHER	3108
RIGHT HAND END COVER ASSEMBLY			4000
		RH END COVER PLATE	4101
		PLATE TO END COVER FIXING BOLT & WASHER	4102
		END COVER TO CASING FIXING BOLT & WASHER	4103
		RH END COVER	4104

TABLE -1

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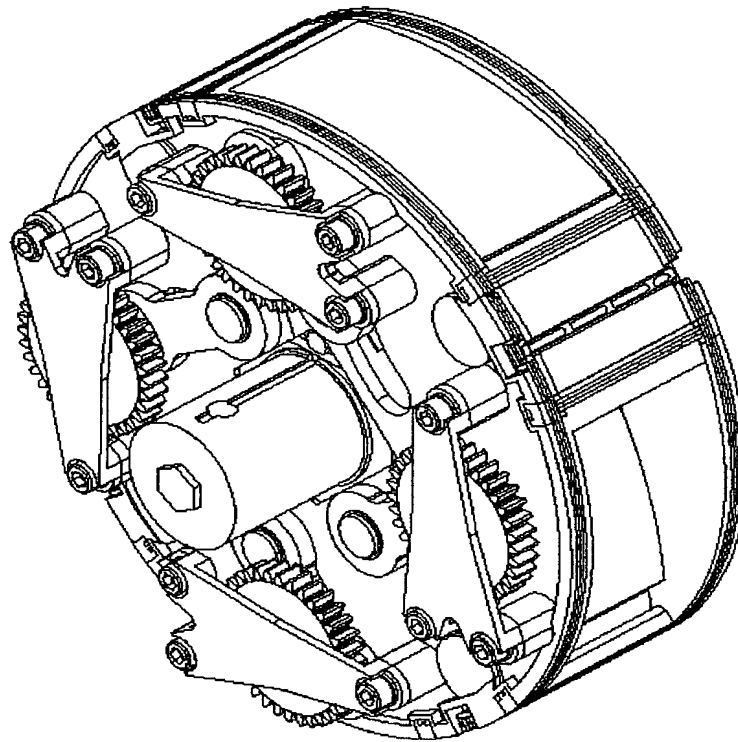


FIG. 3a

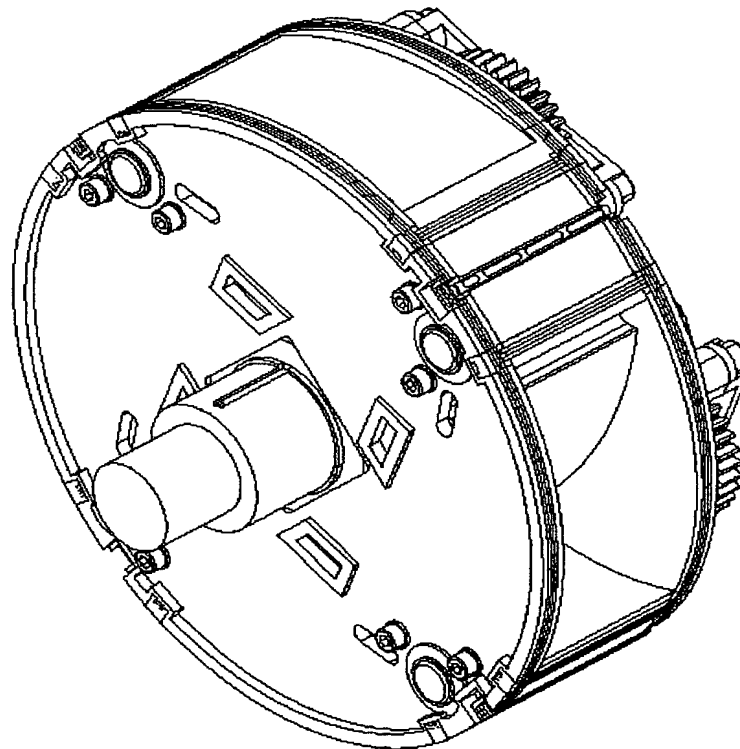
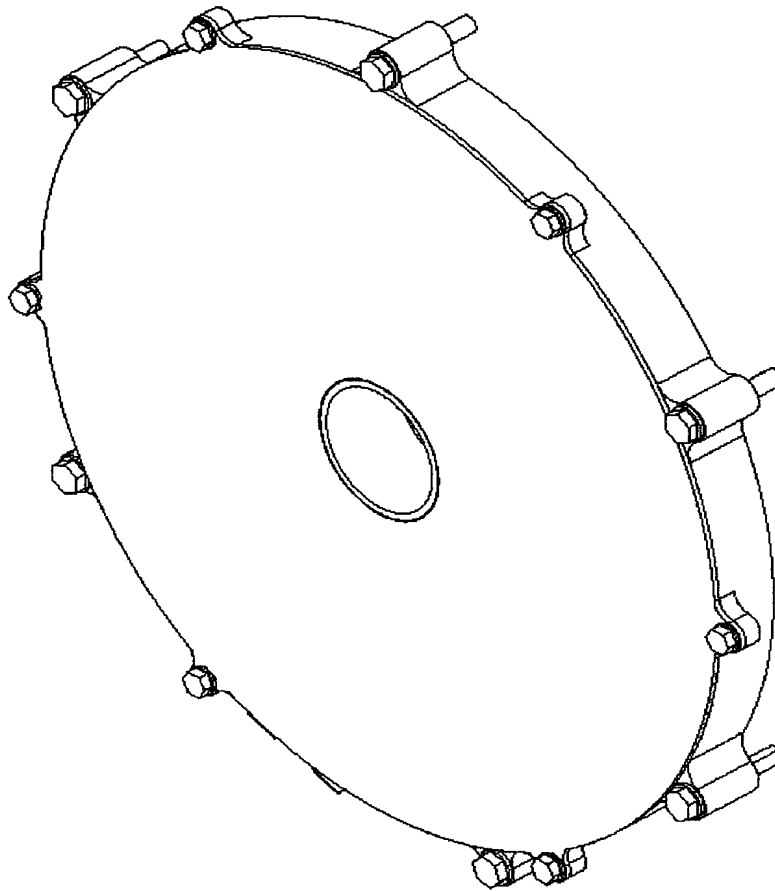


FIG. 3b

REAR AND FRONT VIEW OF ROTOR ASSEMBLY 1000

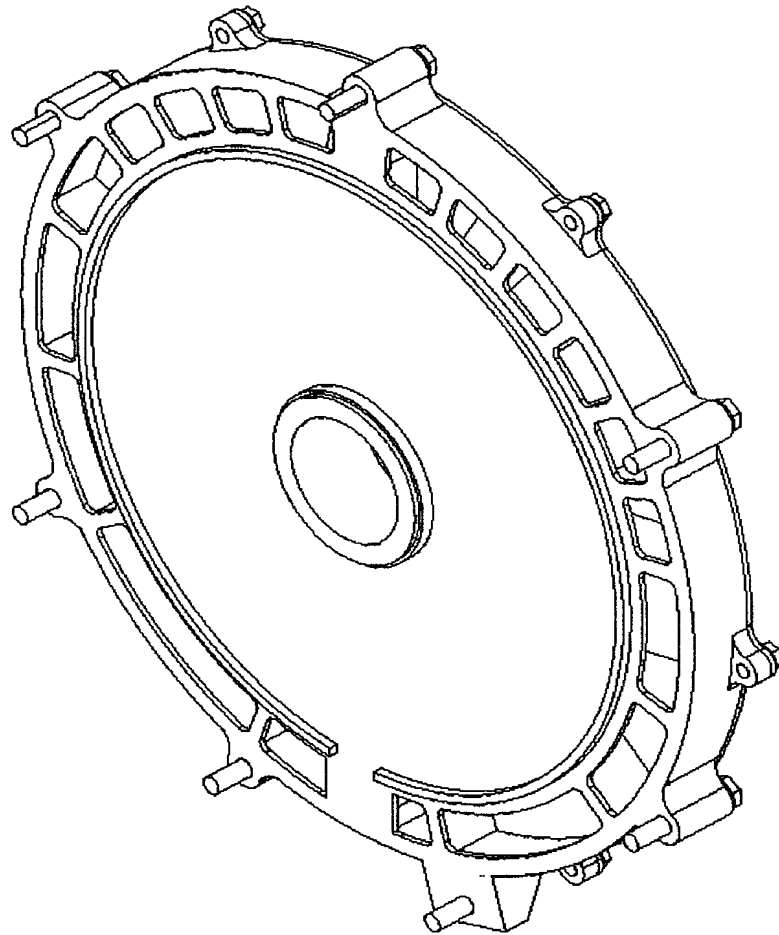
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RIGHT HAND END COVER ASSEMBLY 4000

FIG. 4a

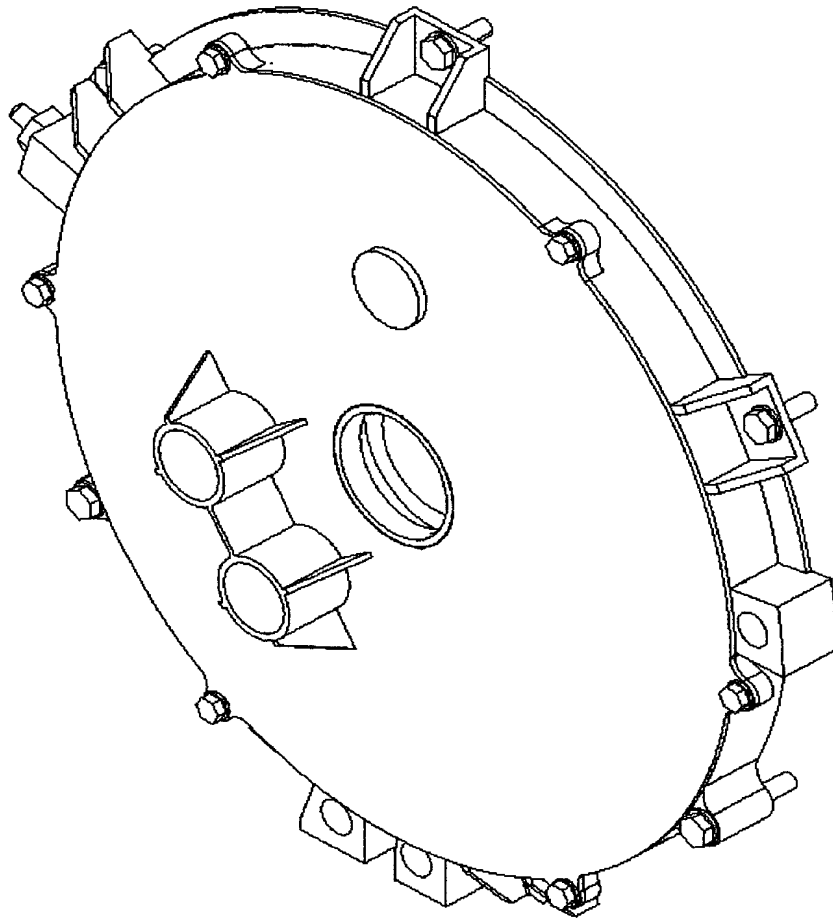
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OTHER VIEW OF  
RIGHT HAND END COVER ASSEMBLY 4000

FIG. 4b

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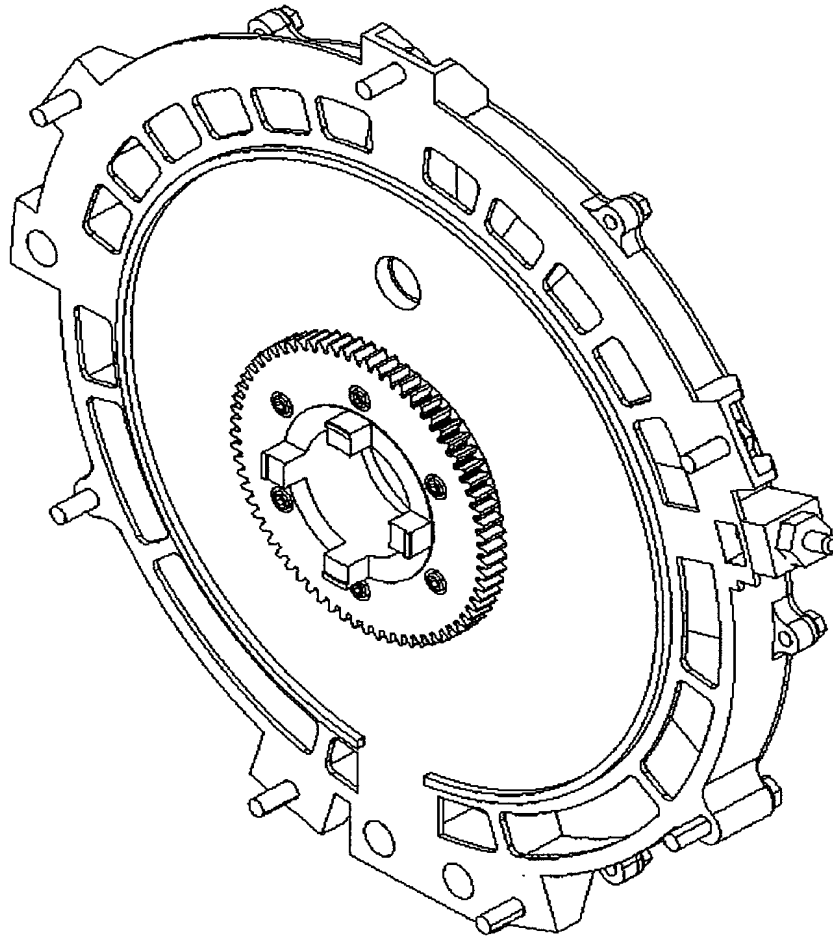


LEFT HAND END COVER ASSEMBLY 3000

FIG. 5a



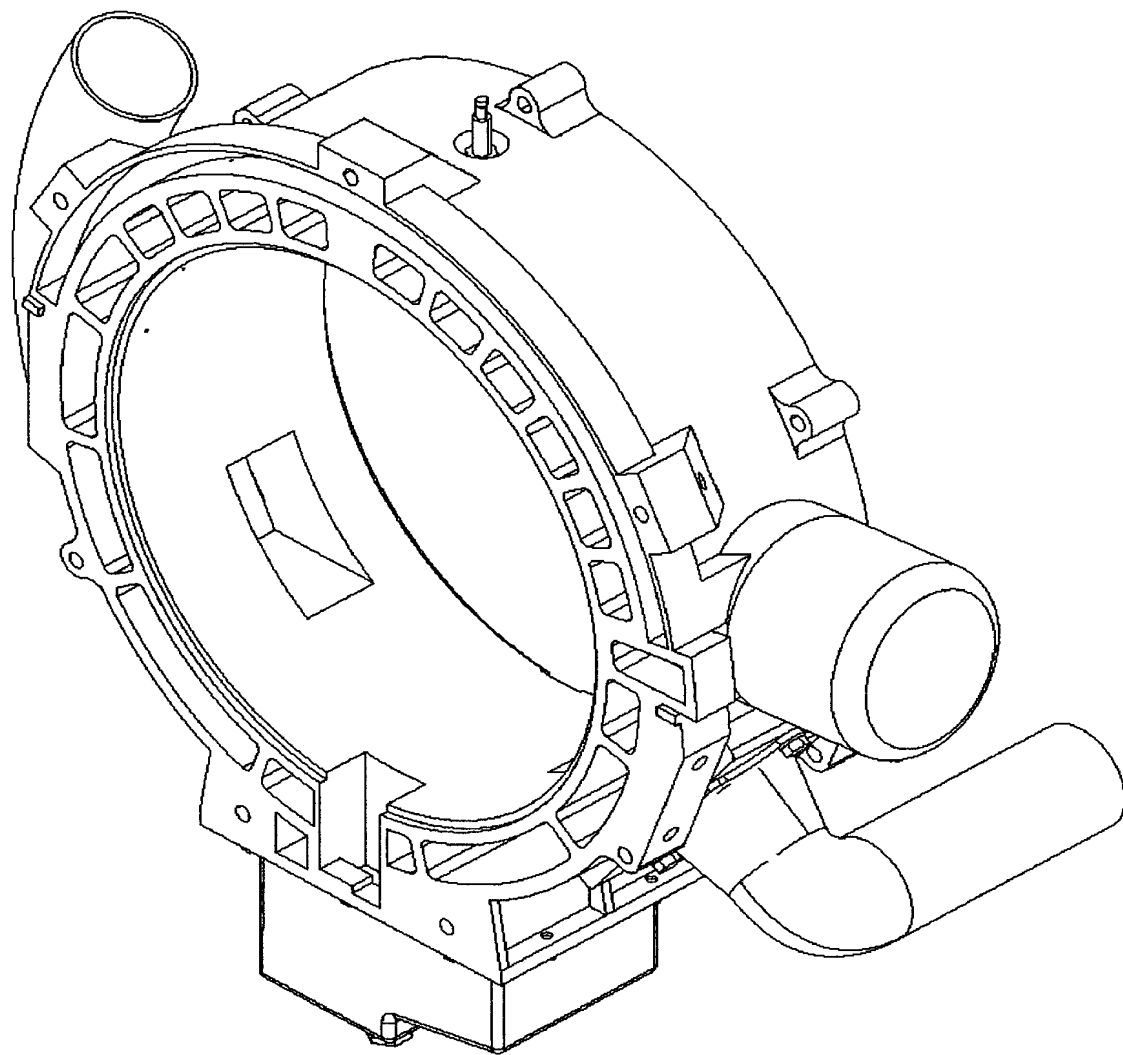
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OTHER VIEW OF  
LEFT HAND END COVER ASSEMBLY 3000

FIG. 5b

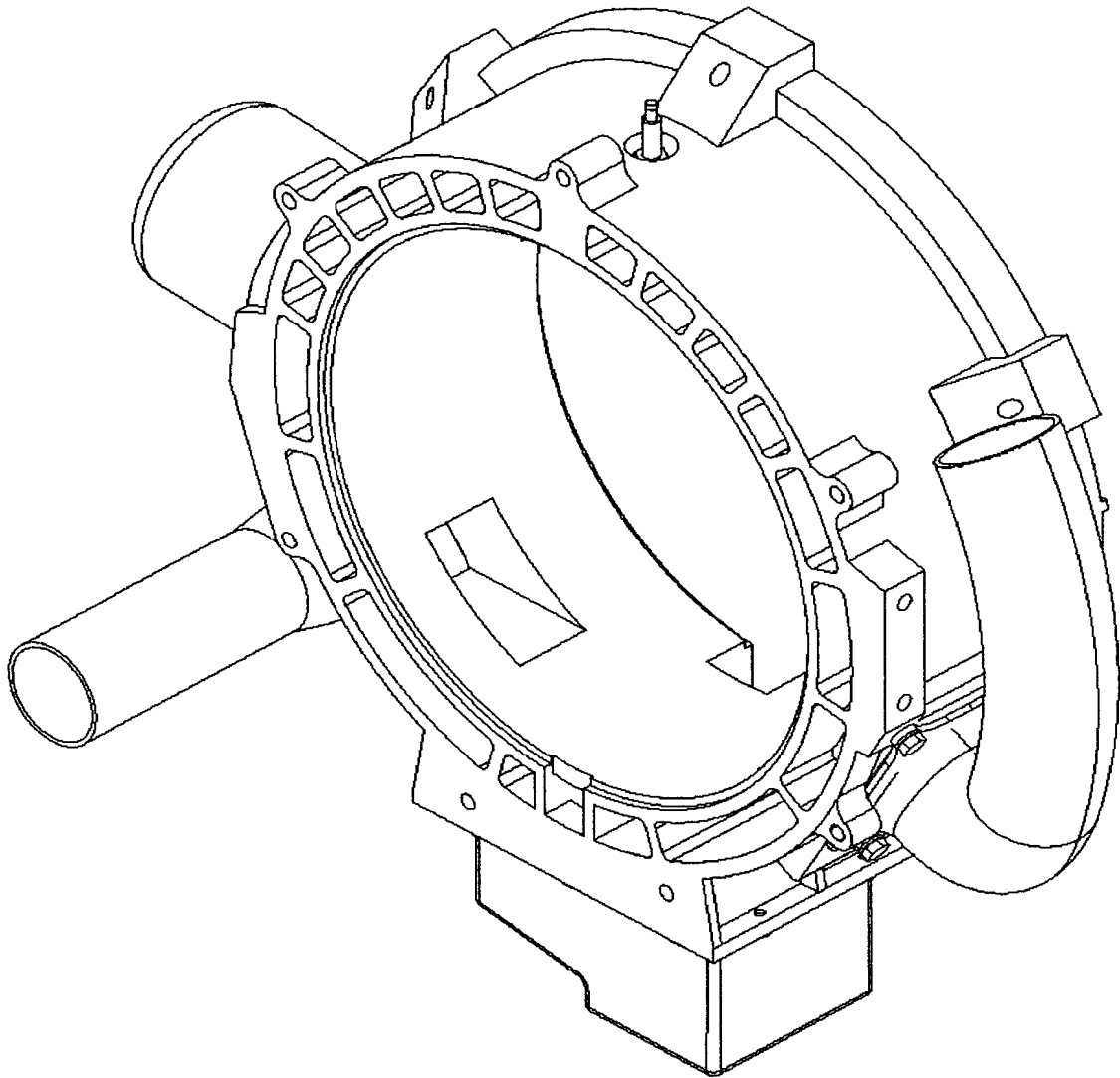
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CASING ASSEMBLY 2000

FIG. 6a

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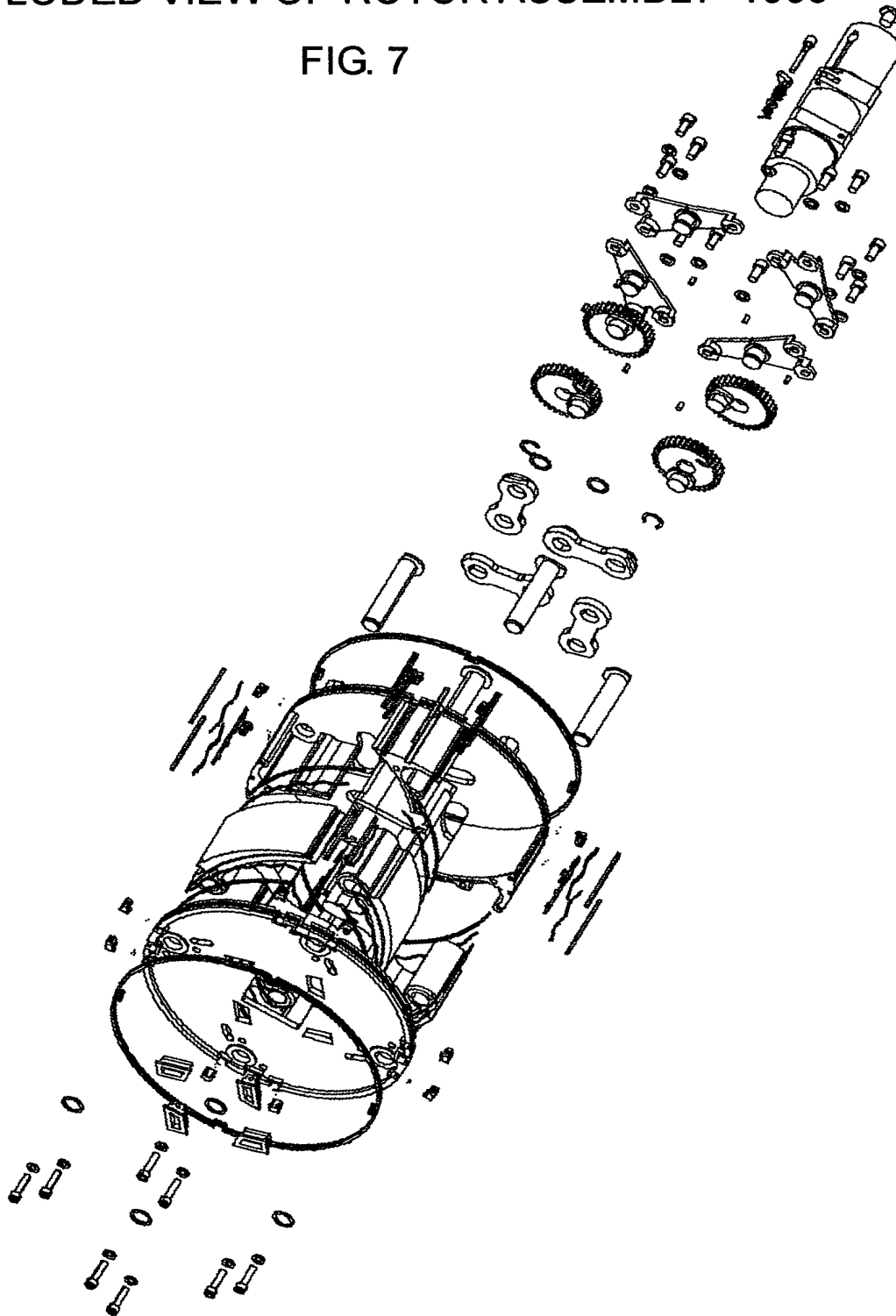
OTHER VIEW OF CASING ASSEMBLY 2000

FIG. 6b

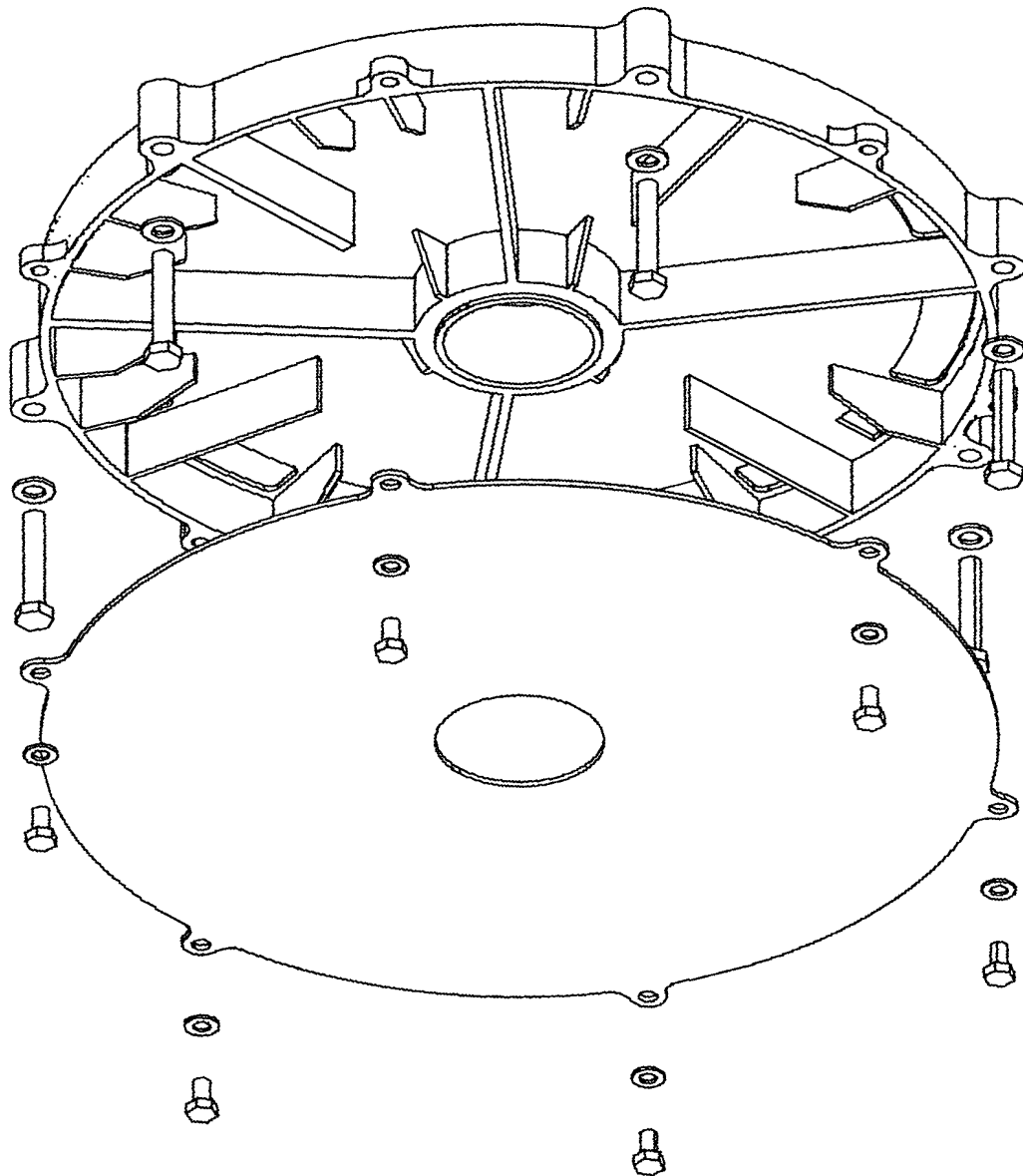
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## EXPLODED VIEW OF ROTOR ASSEMBLY 1000

FIG. 7



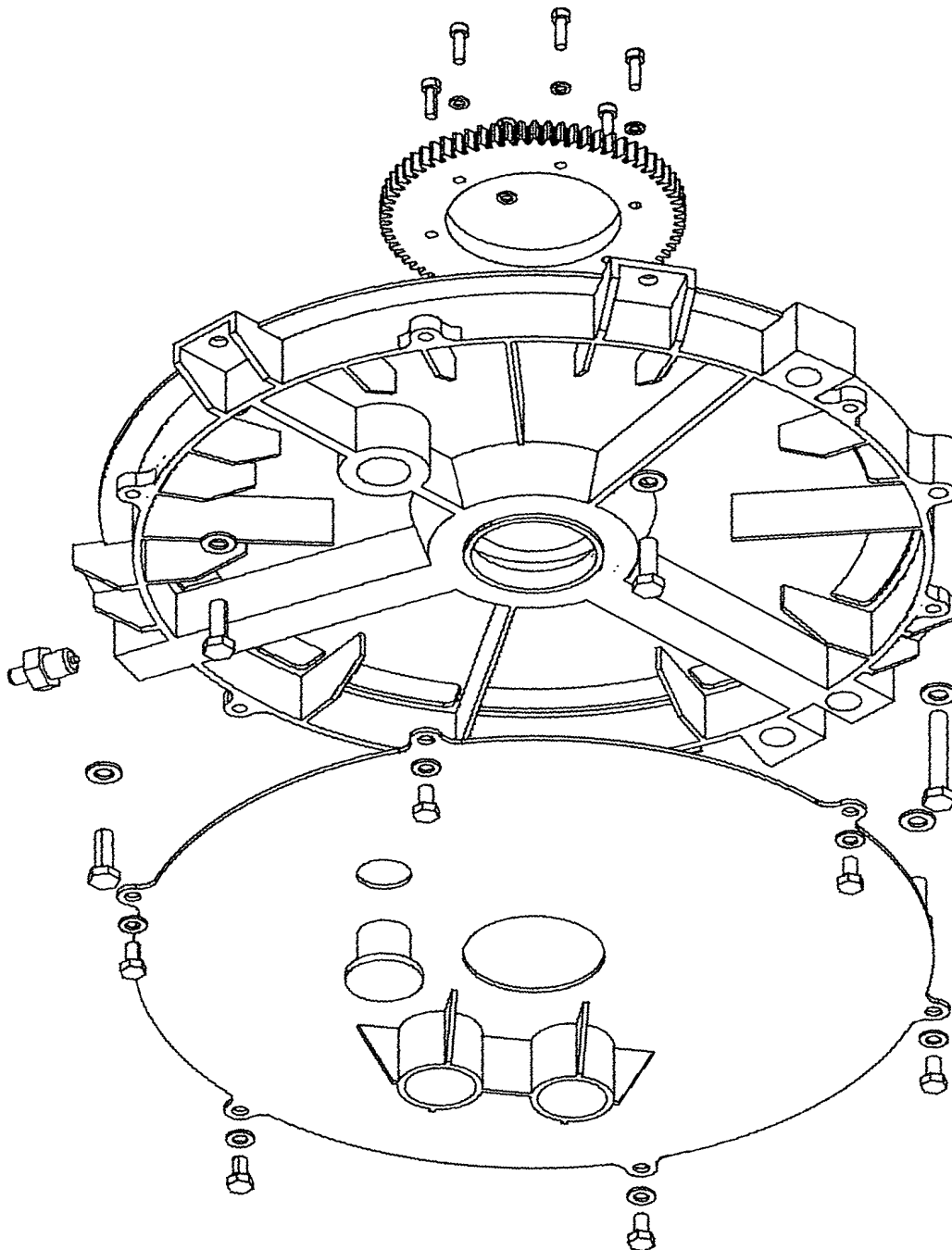
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EXPLODED VIEW OF  
RH END COVER ASSEMBLY 4000

FIG. 8

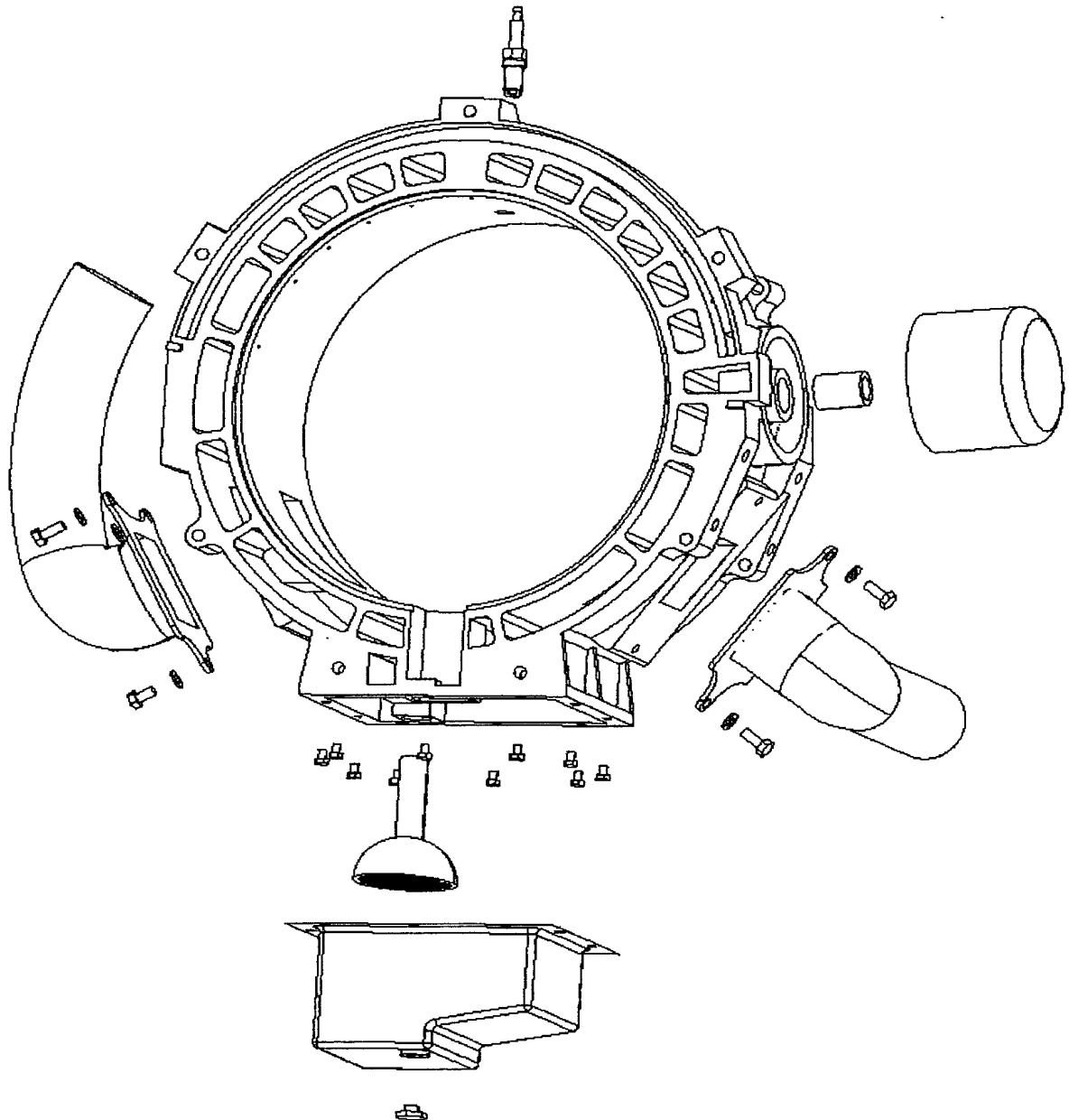
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EXPLODED VIEW OF  
LH END COVER ASSEMBLY 3000

FIG. 9

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EXPLODED VIEW OF CASING ASSEMBLY 2000

FIG. 10

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FIG. 11a

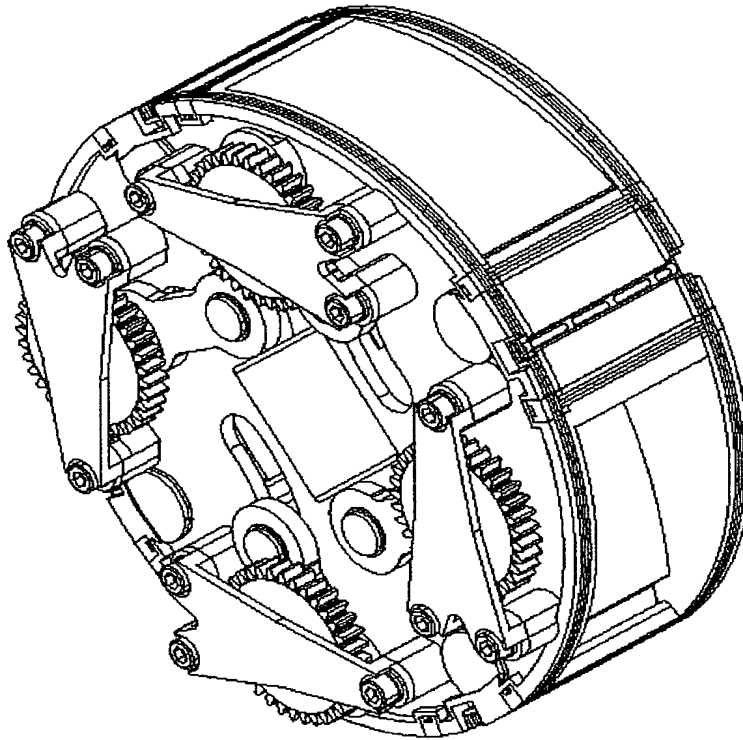
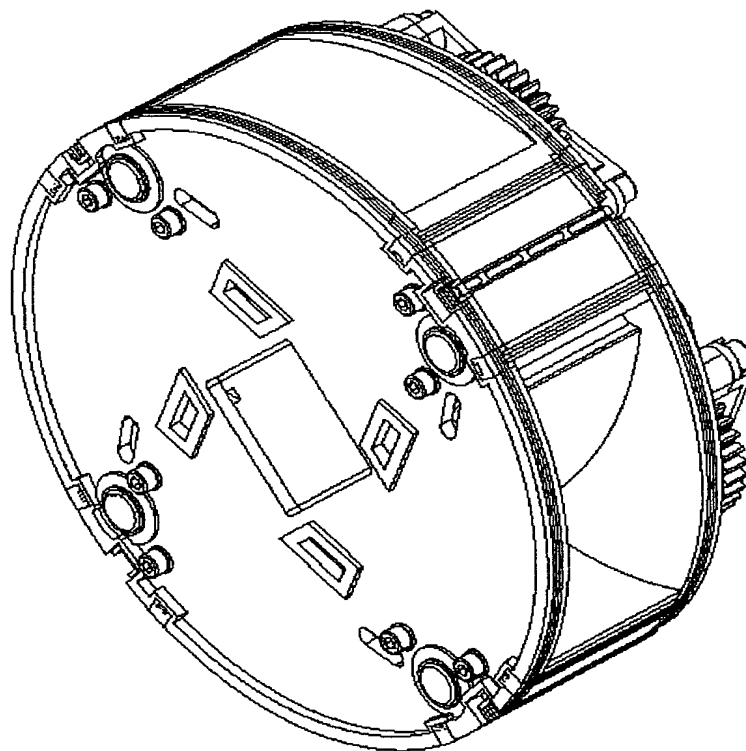


FIG. 11b



REAR AND FRONT VIEW OF  
CHAMBER SUBASSEMBLY 1100

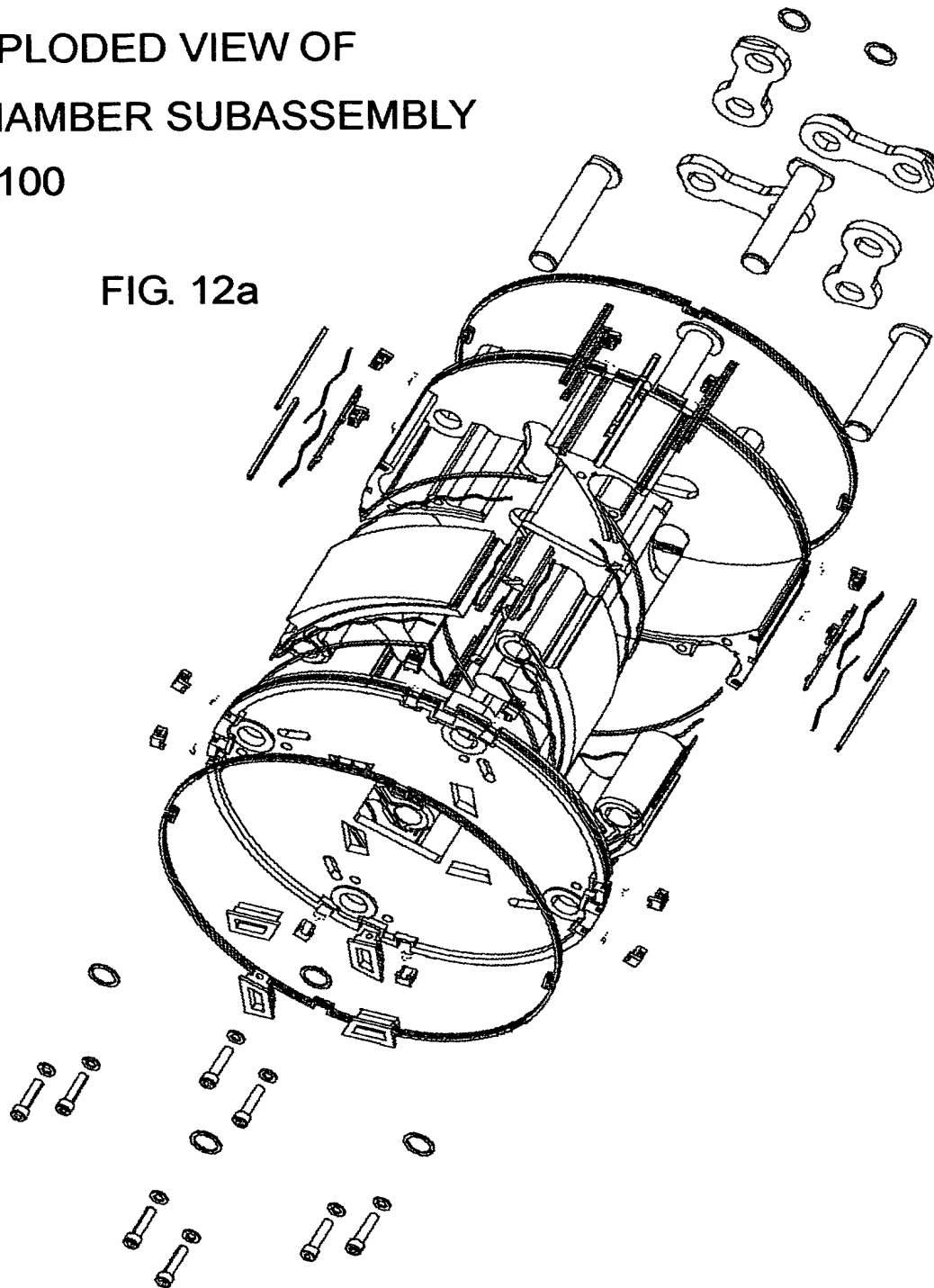


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# EXPLODED VIEW OF CHAMBER SUBASSEMBLY

1100

FIG. 12a

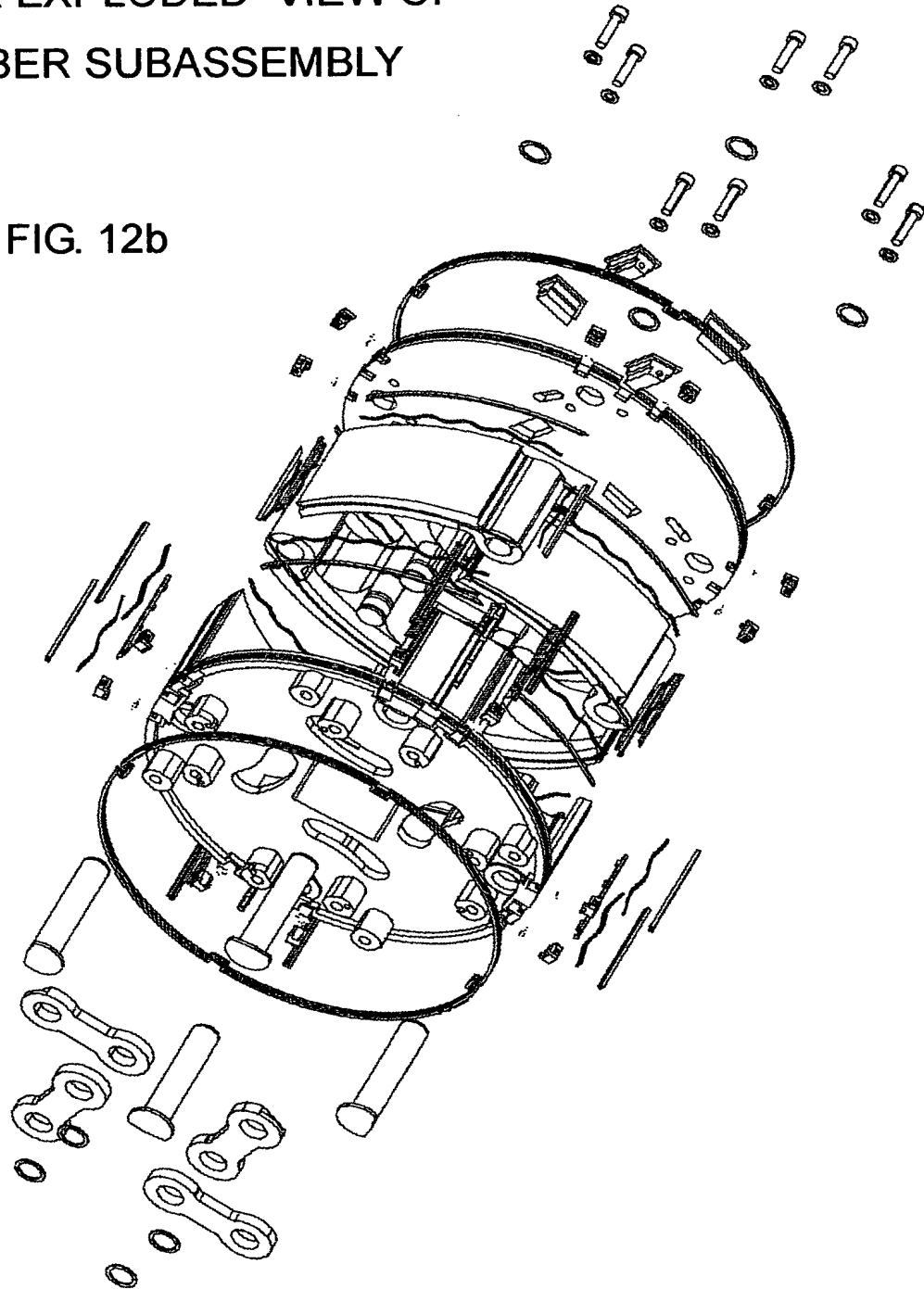


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OTHER EXPLODED VIEW OF  
CHAMBER SUBASSEMBLY

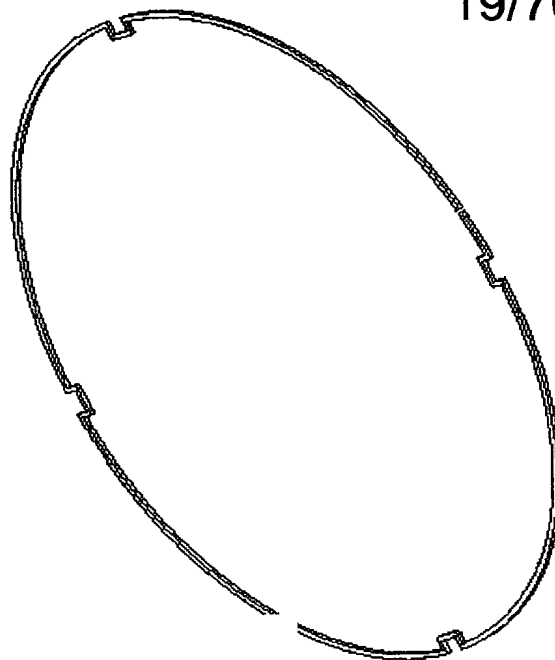
1100

FIG. 12b

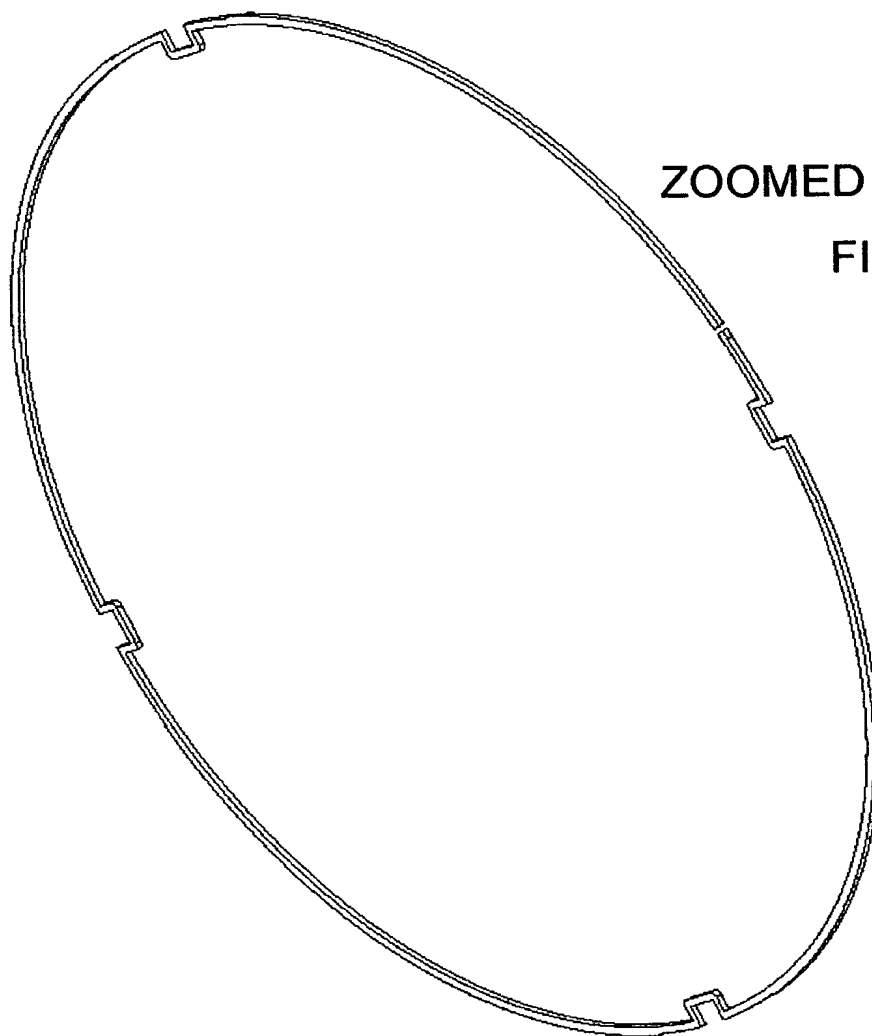


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1104  
FIG. 13a



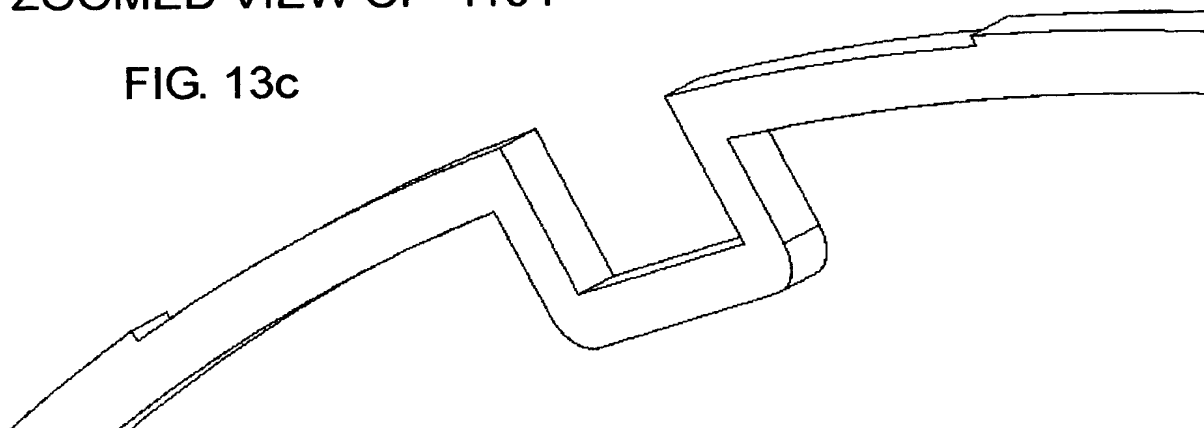
ZOOMED VIEW OF 1104  
FIG. 13b



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## ZOOMED VIEW OF 1104

FIG. 13c



1003

FIG. 14a

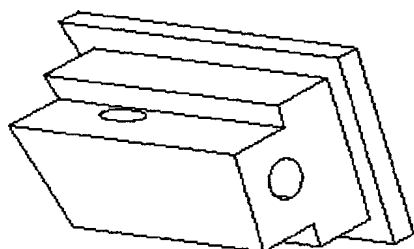


FIG. 14b

## ZOOMED VIEWS OF 1003

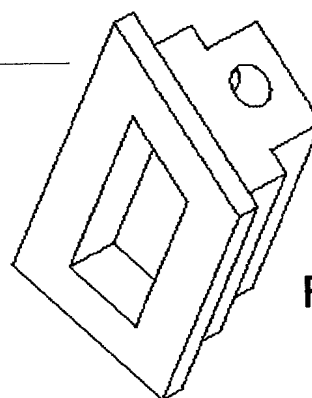


FIG. 14c

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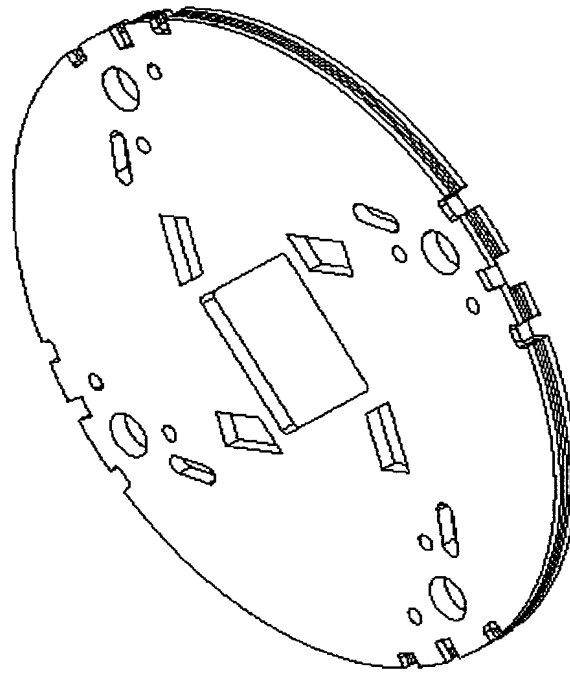


FIG. 15a

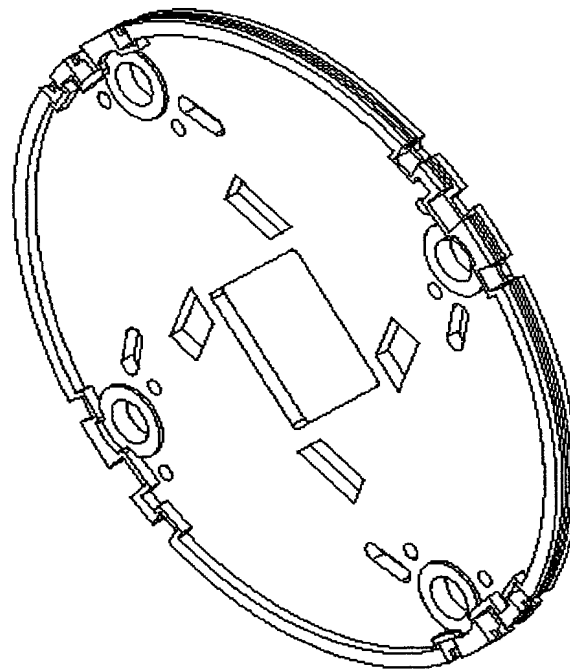


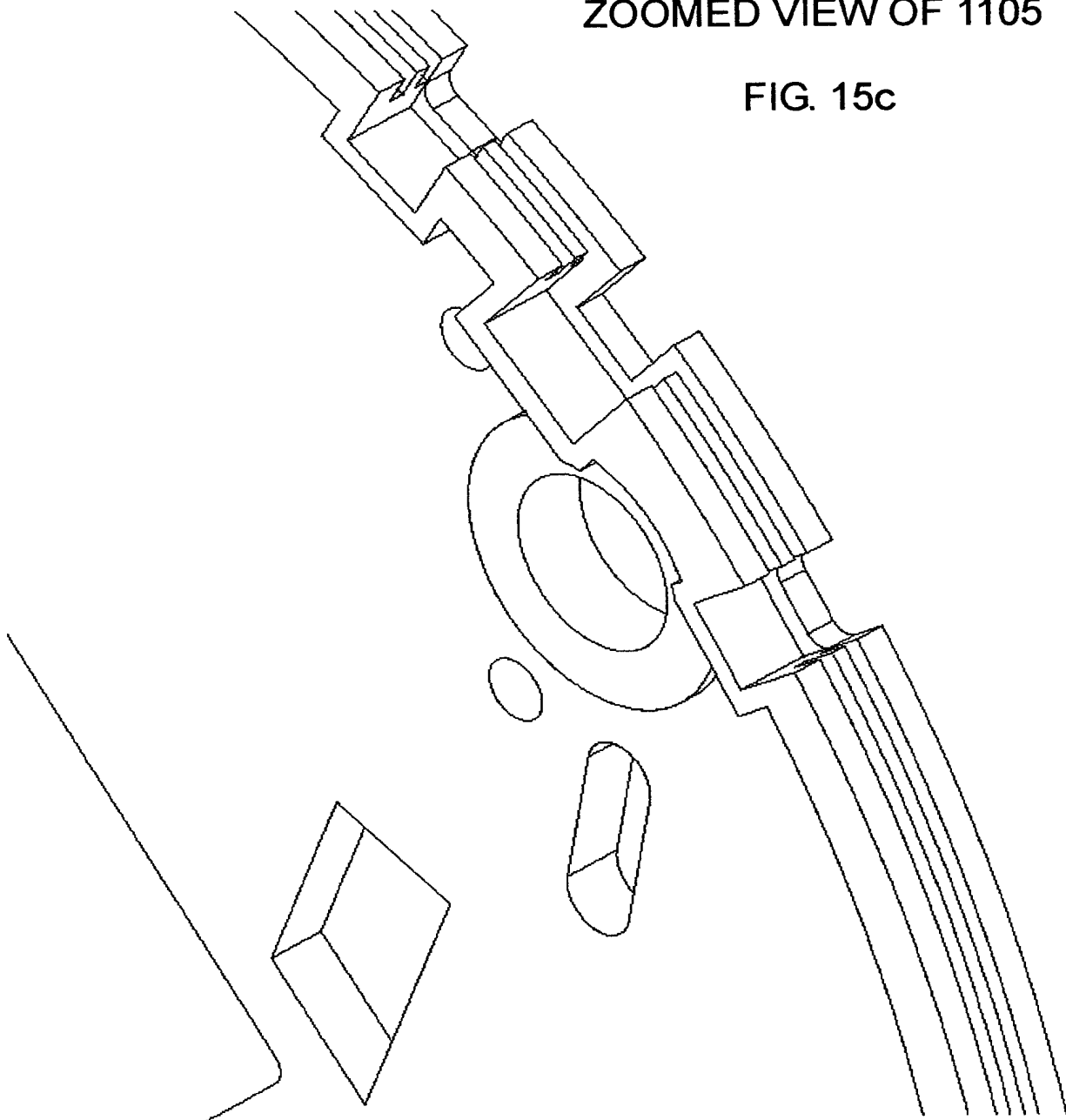
FIG. 15b

1105 IN DIFFERENT VIEWS

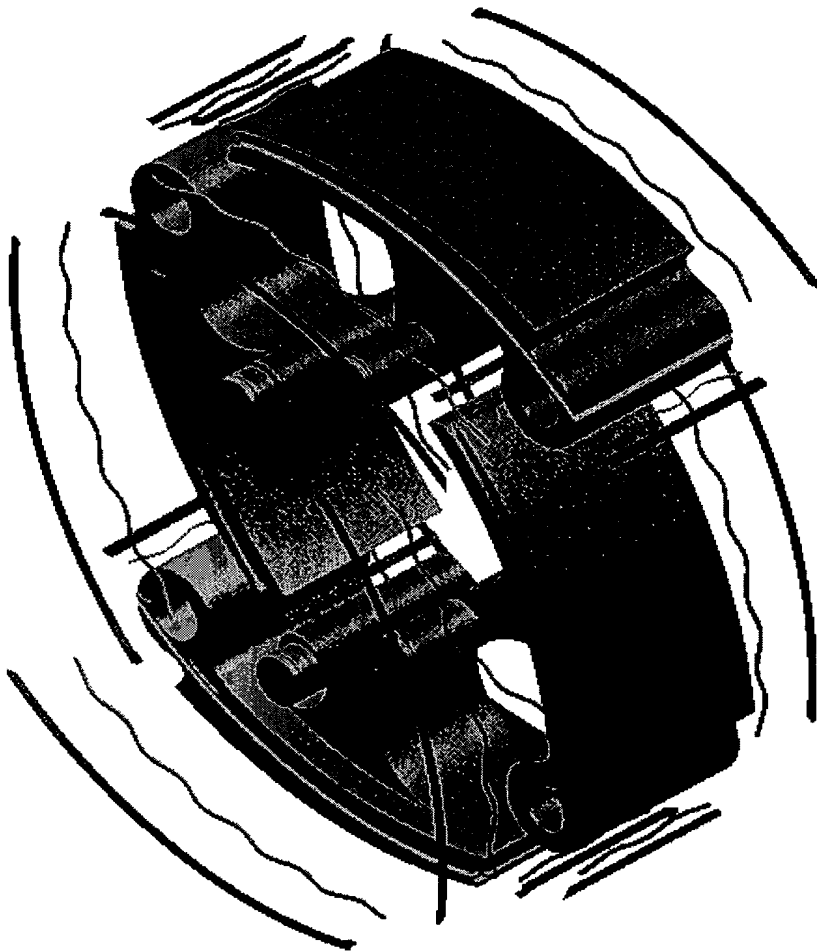
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ZOOMED VIEW OF 1105

FIG. 15c



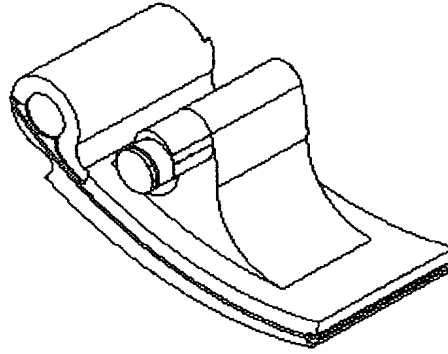
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PISTONS AND RELATED ' SEALS AND SEAL SPRINGS '

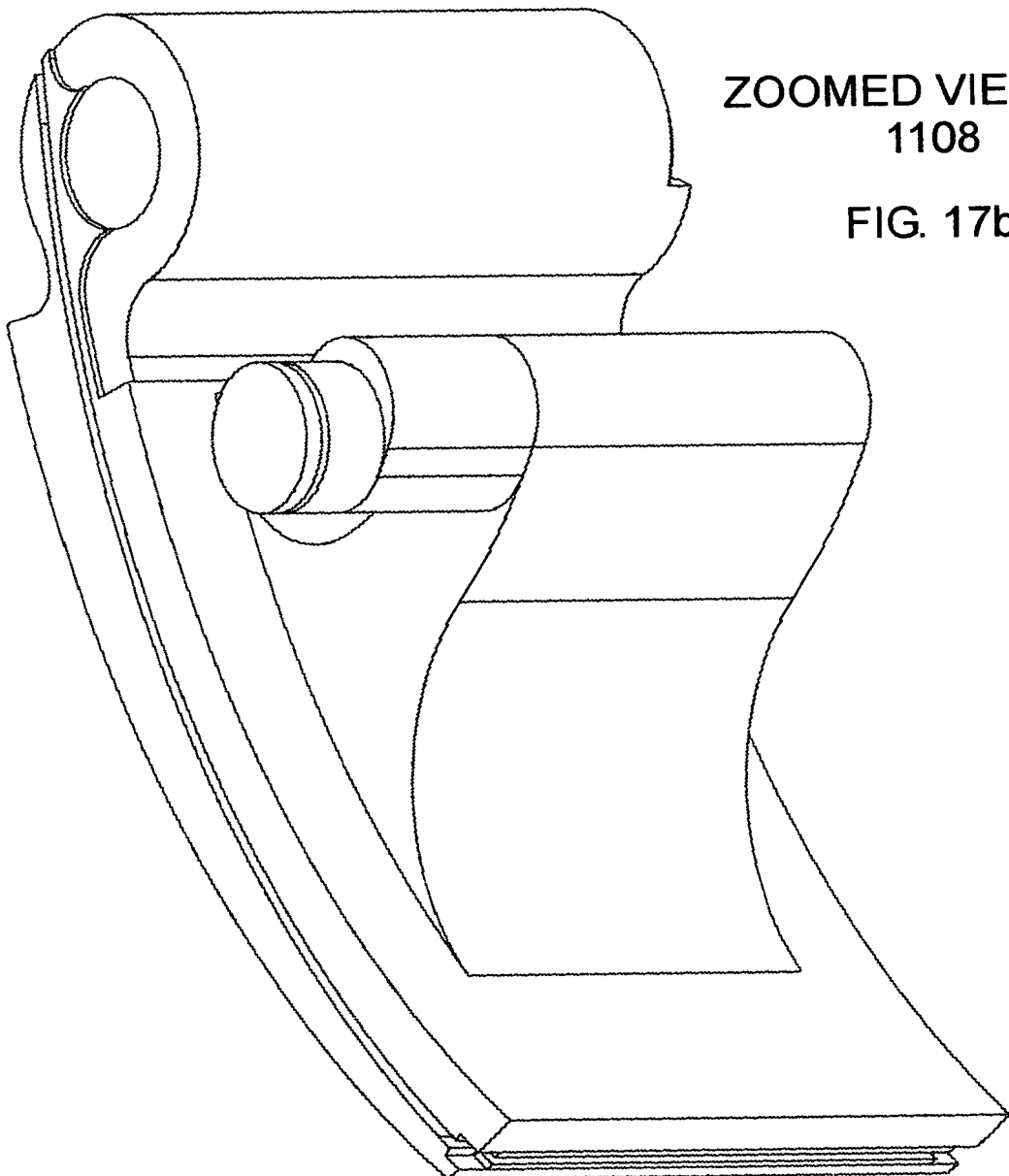
FIG. 16

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1108

FIG. 17a



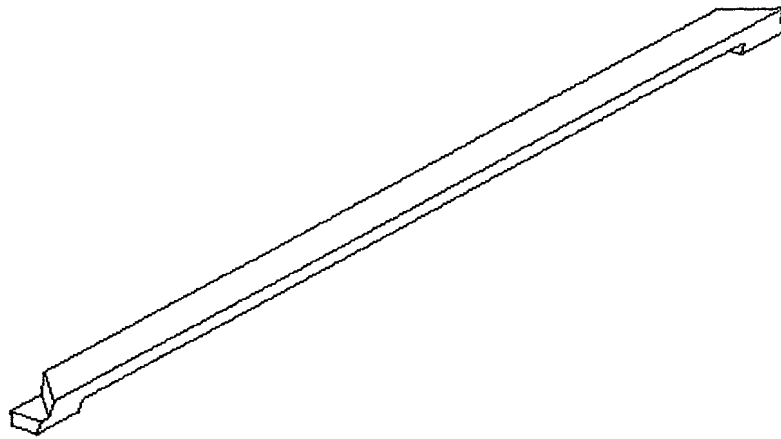
ZOOMED VIEW OF  
1108

FIG. 17b



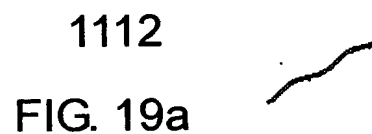
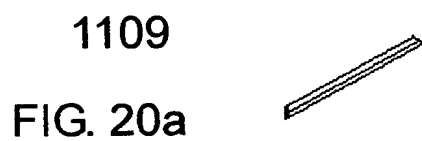
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1110  
FIG. 18a



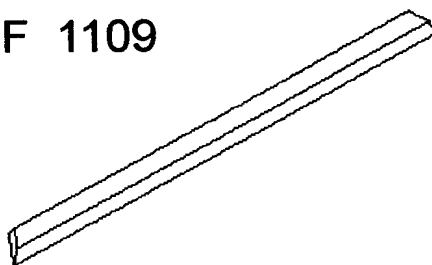
ZOOMED VIEW OF 1110  
FIG. 18b

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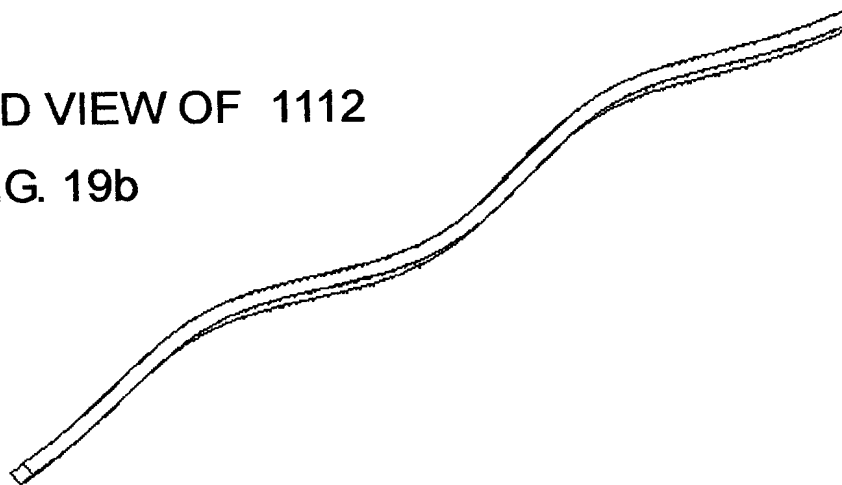
ZOOMED VIEW OF 1109

FIG. 20b



ZOOMED VIEW OF 1112

FIG. 19b



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1111

FIG. 21a

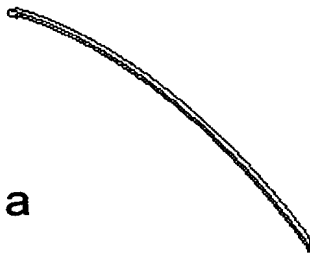
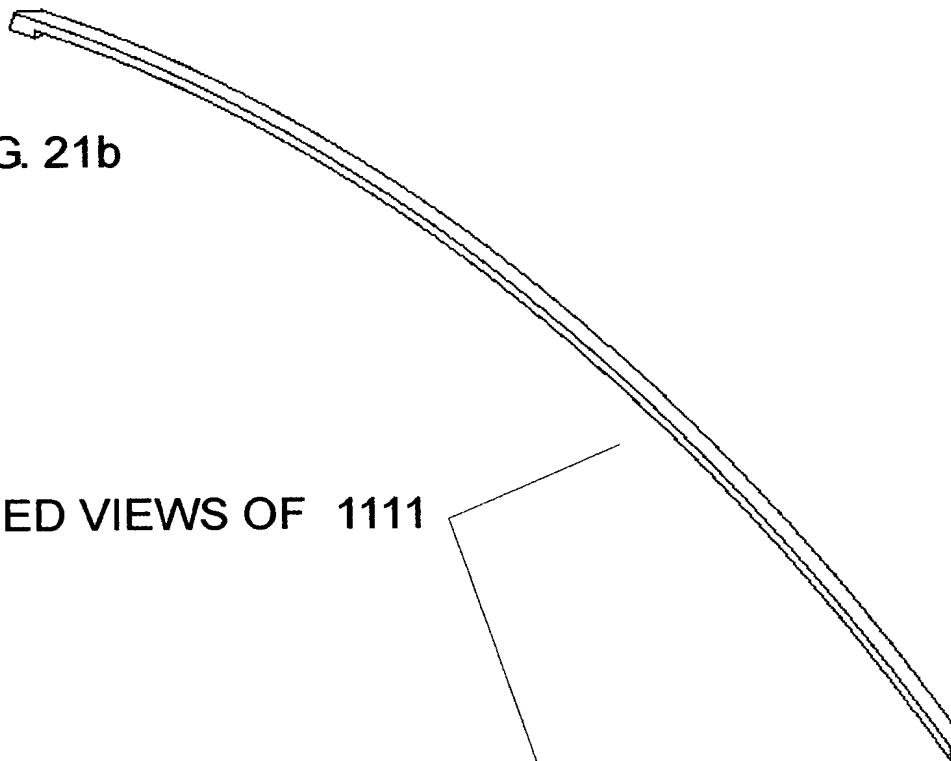


FIG. 21b



ZOOMED VIEWS OF 1111

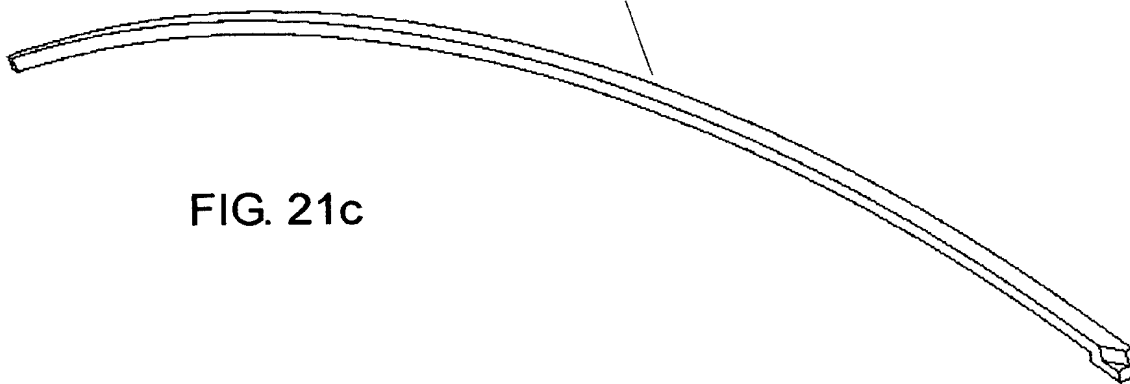
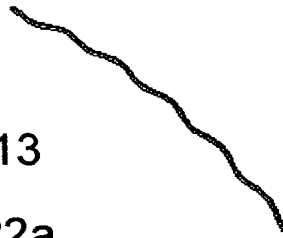


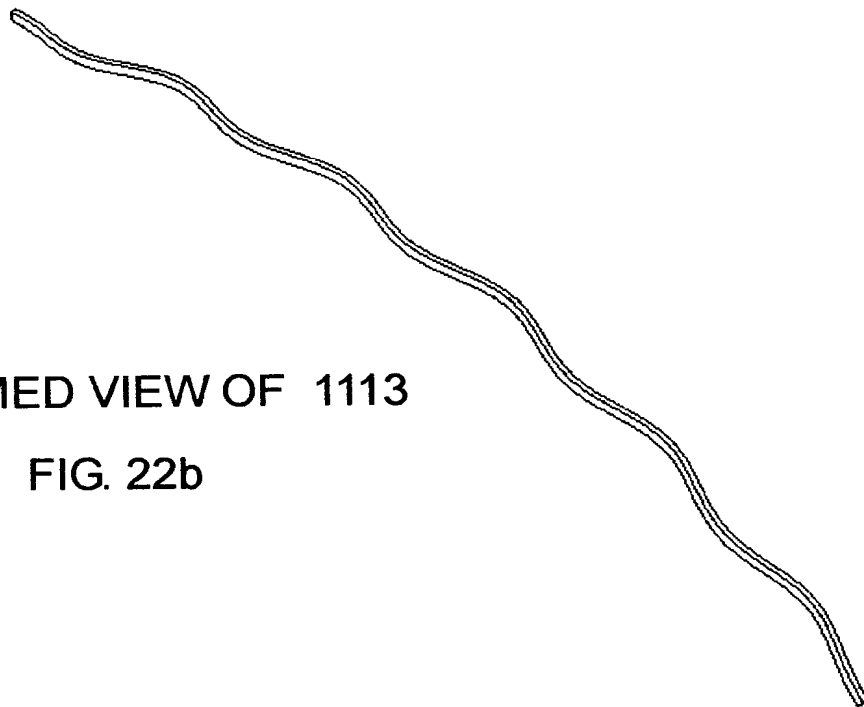
FIG. 21c

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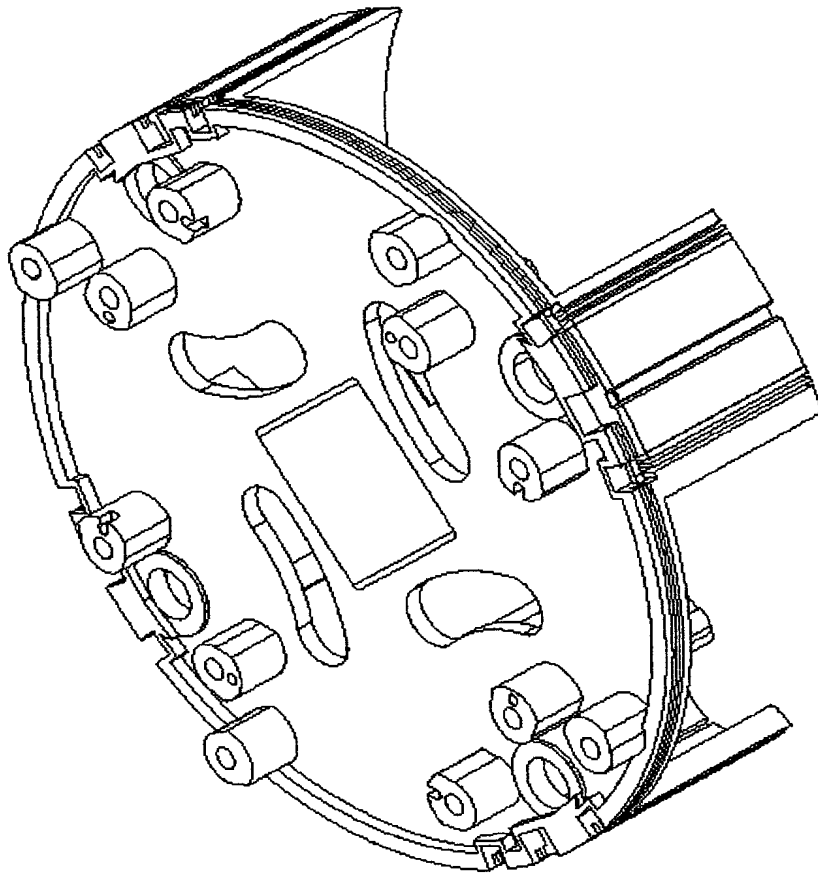
1113  
FIG. 22a



ZOOMED VIEW OF 1113  
FIG. 22b



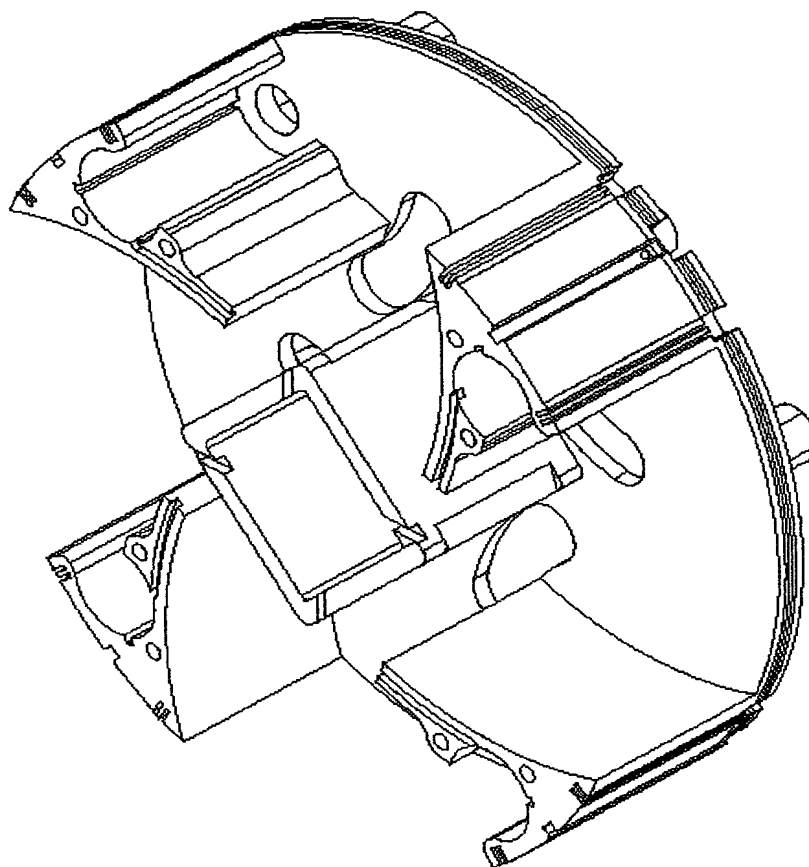
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1114

FIG. 23a

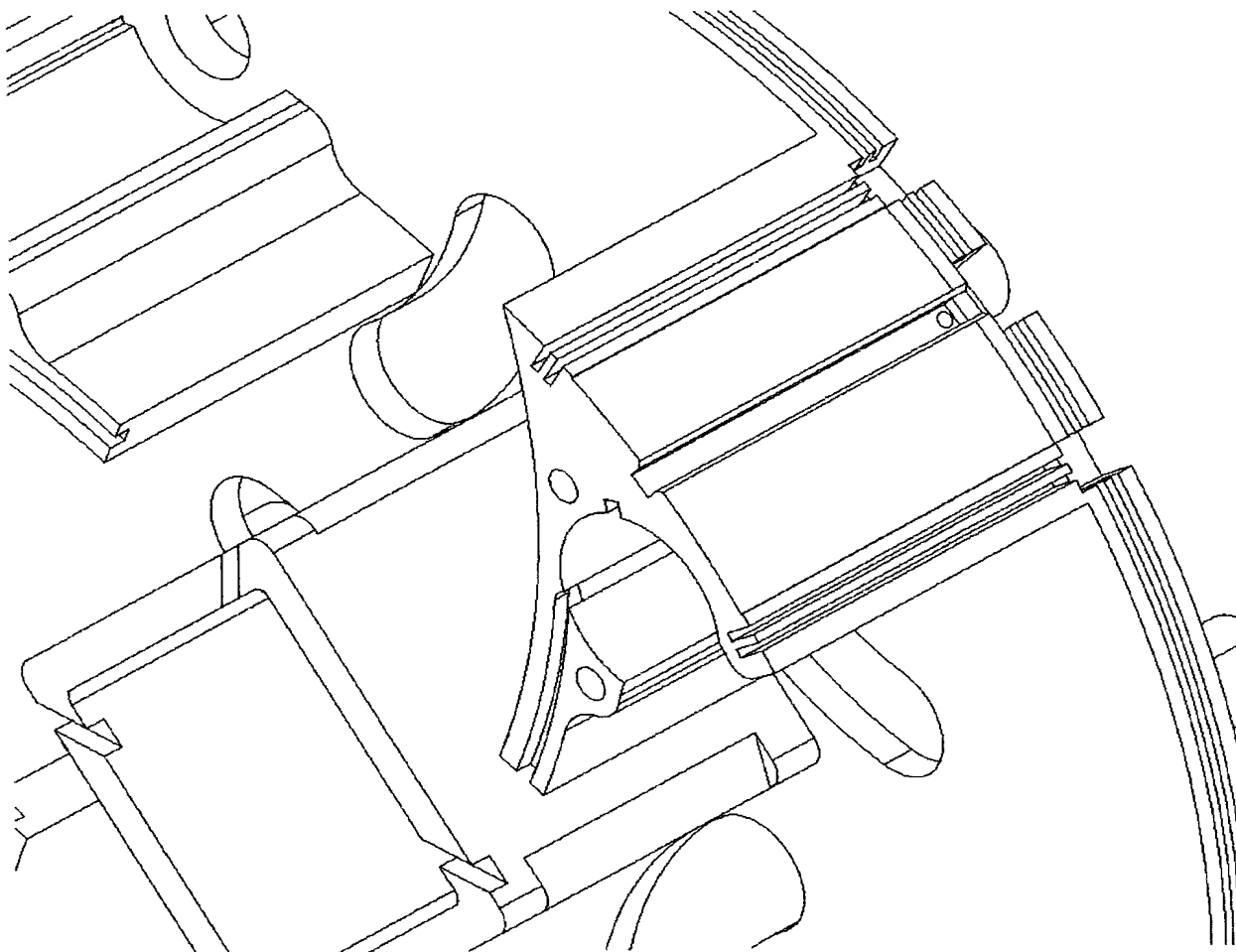
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OTHER VIEW OF 1114

FIG. 23b

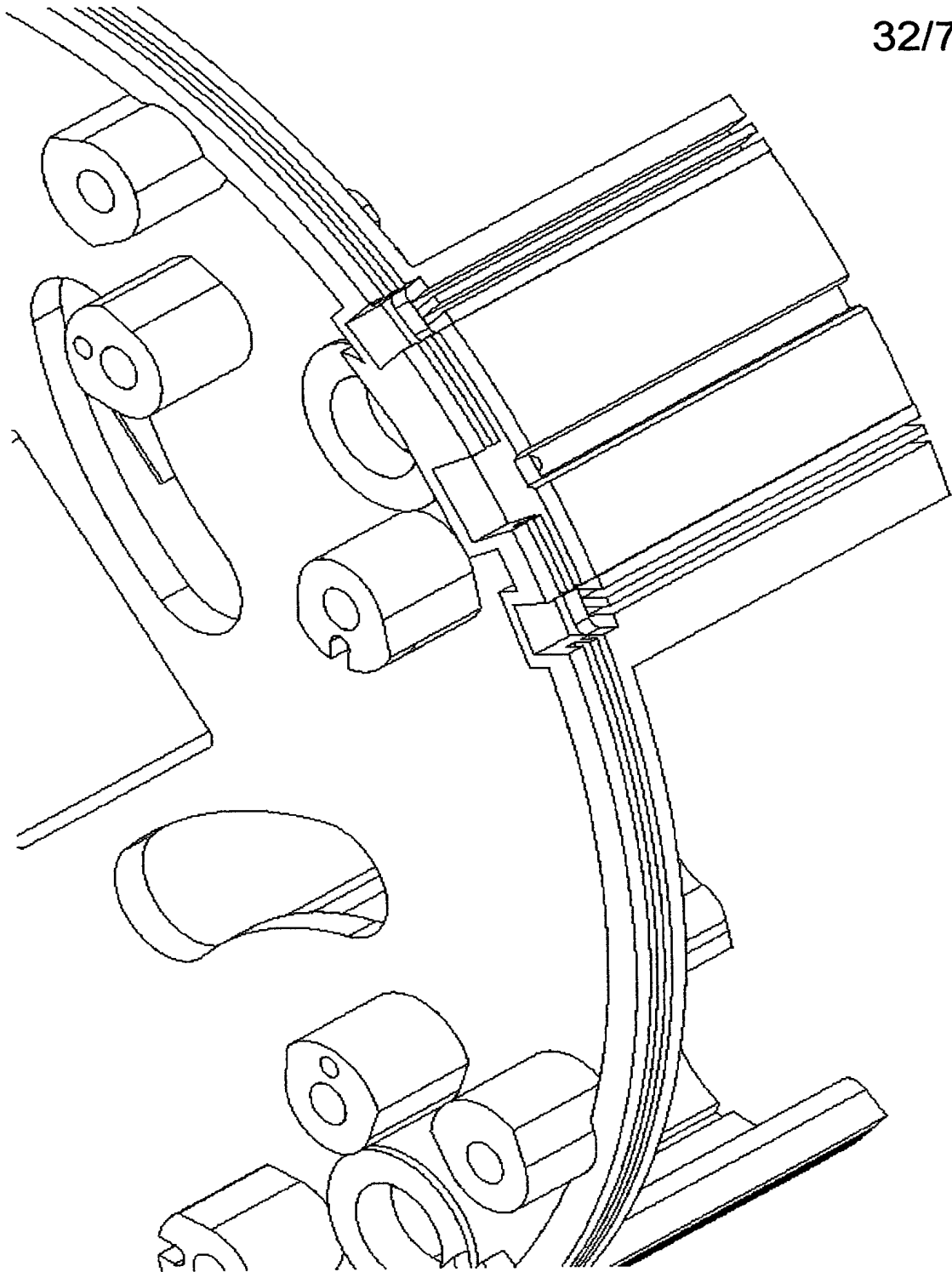
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ZOOMED VIEW OF 1114

FIG. 23c

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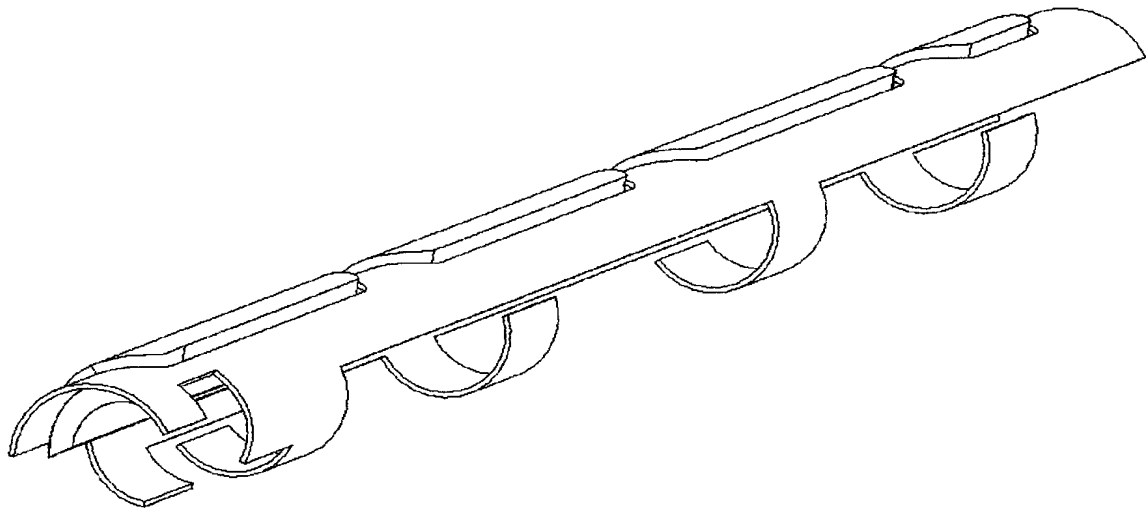
ZOOMED VIEW OF 1114

FIG. 23d



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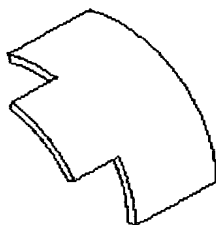
1120  
FIG. 24a



ZOOMED VIEW OF 1120

FIG. 24b

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1107

FIG. 25a

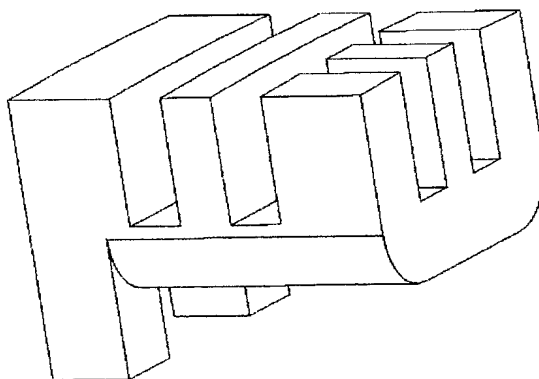
ZOOMED VIEW OF 1107

FIG. 25b

1106



FIG. 26a



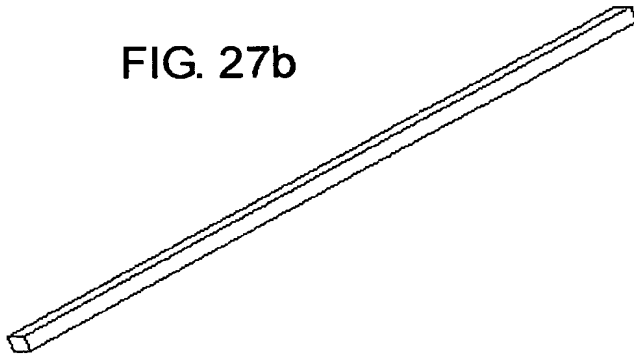
ZOOMED VIEW OF 1106

FIG. 26b

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ZOOMED VIEW OF 1115

FIG. 27b



1115

FIG. 27a

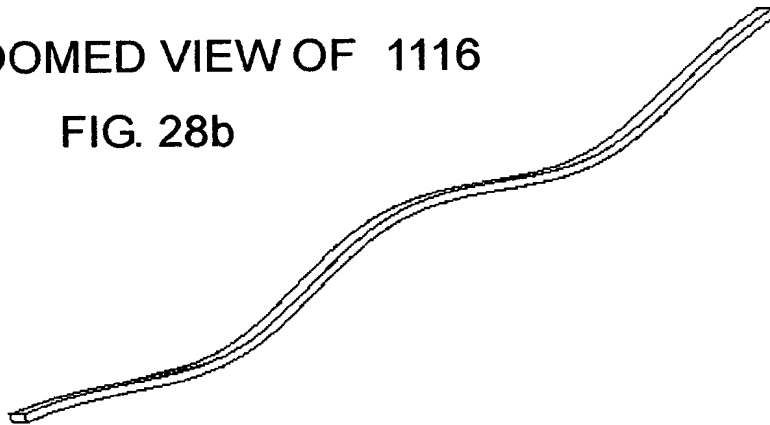
1116

FIG. 28a



ZOOMED VIEW OF 1116

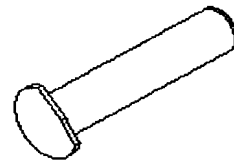
FIG. 28b



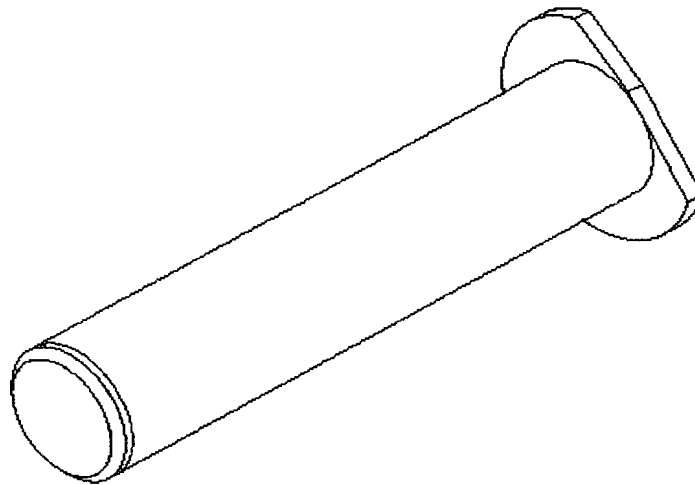
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1102  
FIG. 30



1117  
FIG. 29a



ZOOMED VIEW OF 1117  
FIG. 29b

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FIG. 31b

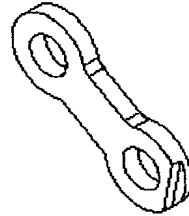


FIG. 31a

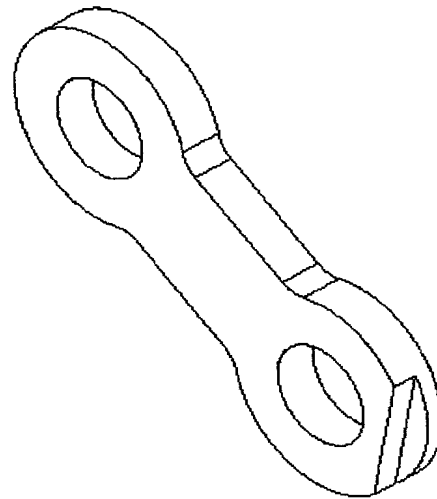


1118



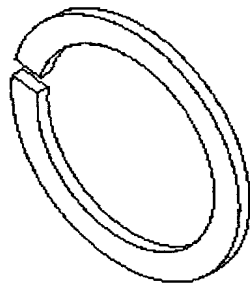
1119

FIG. 32a



ZOOMED VIEW OF 1118

FIG. 31c



ZOOMED VIEW OF 1119  
FIG. 32b

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FIG. 33a

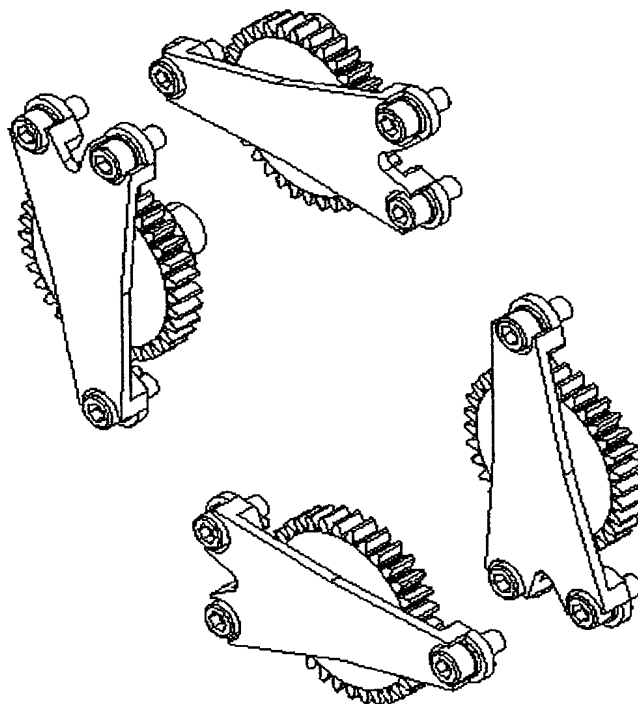
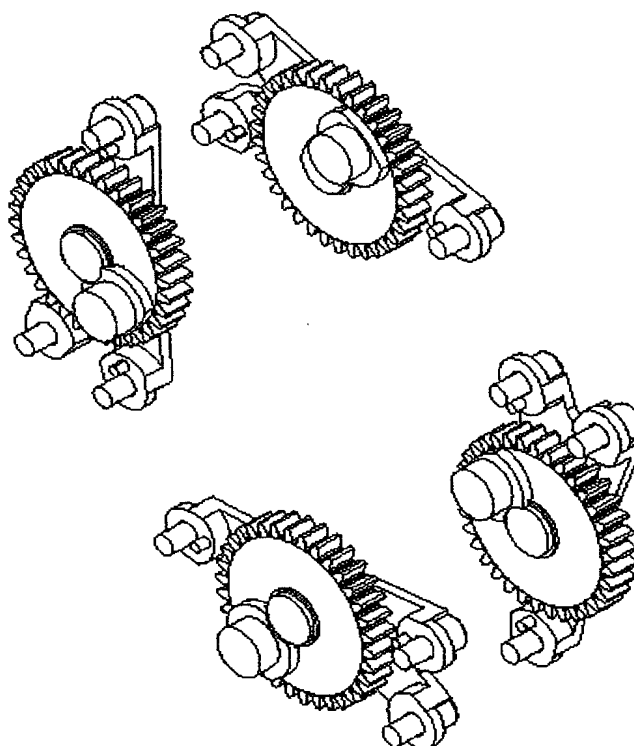
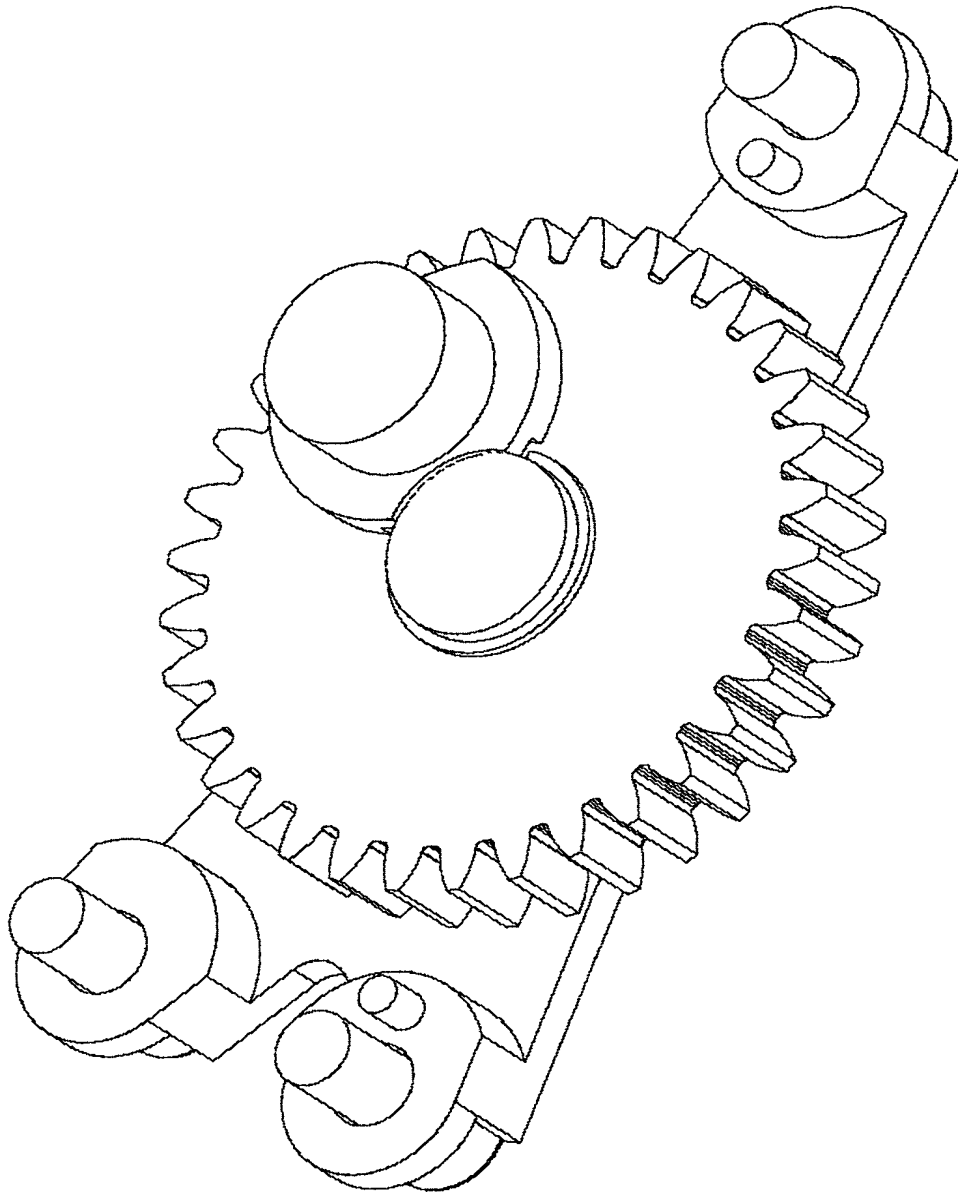


FIG. 33b



1200 IN DIFFERENT VIEWS

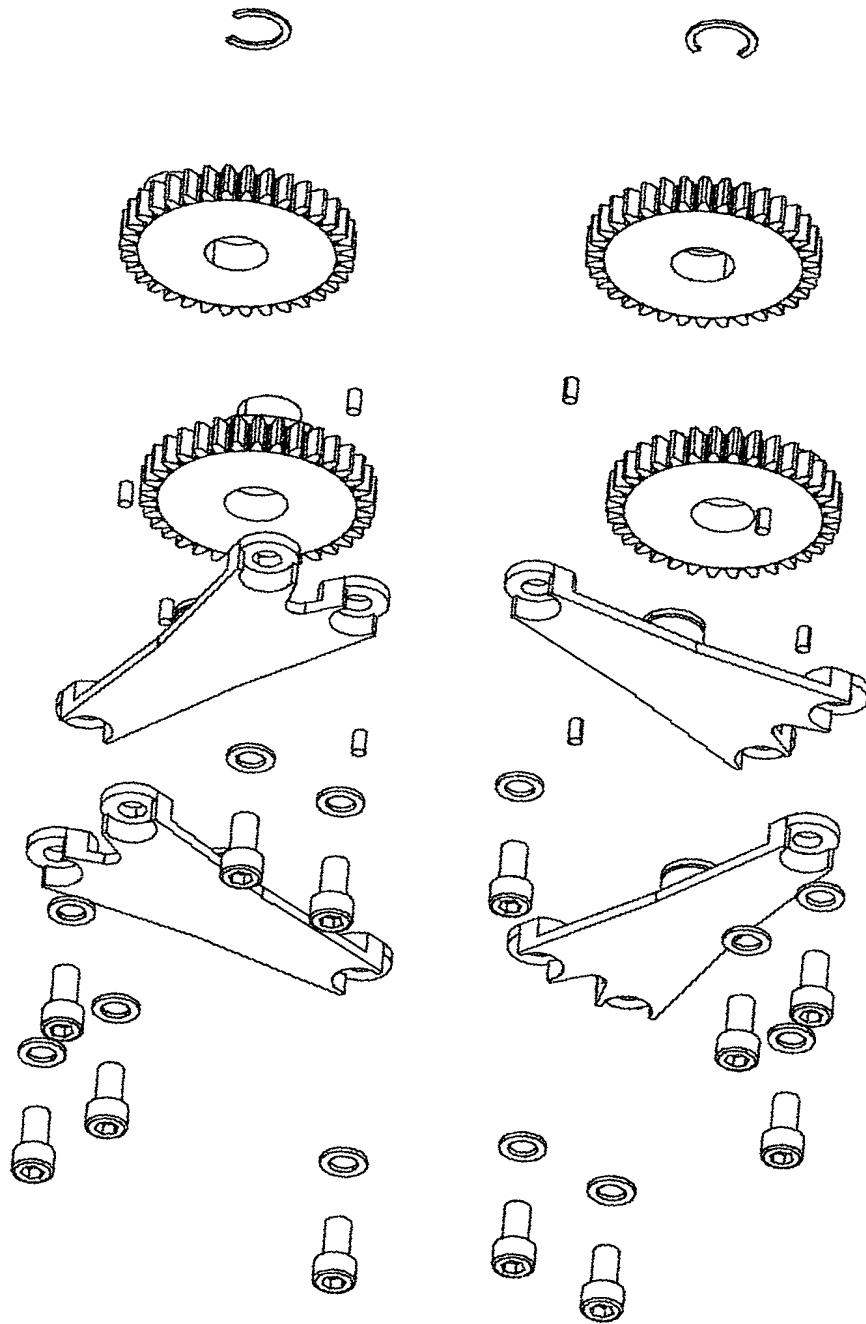
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ZOOMED VIEW OF 1200

FIG. 33c

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EXPLODED VIEW OF 1200

FIG. 34

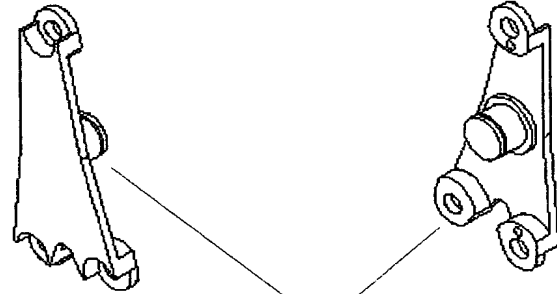


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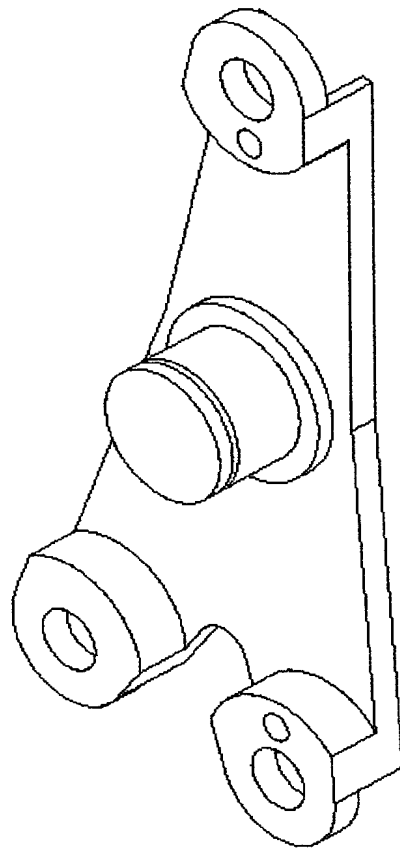
1203  
FIG. 36

FIG. 35b

FIG. 35a



1204



ZOOMED VIEW OF 1204

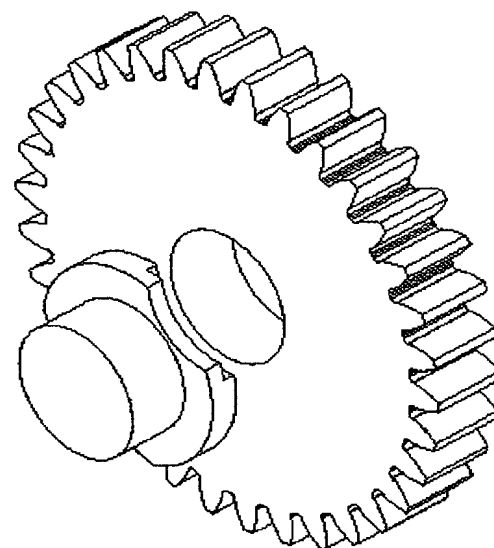
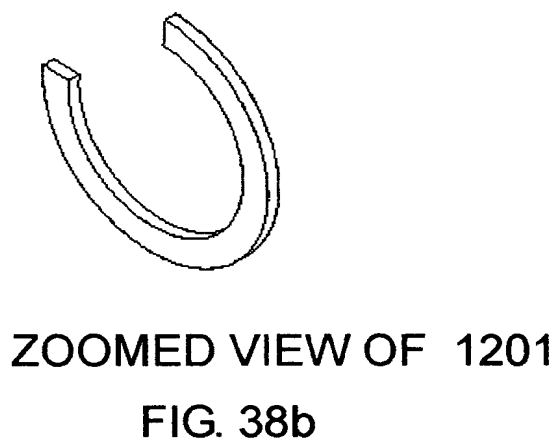
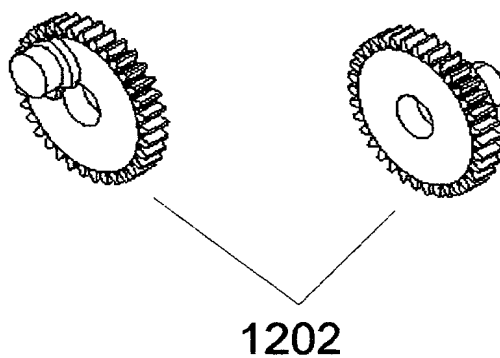
FIG. 35c

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FIG. 37b

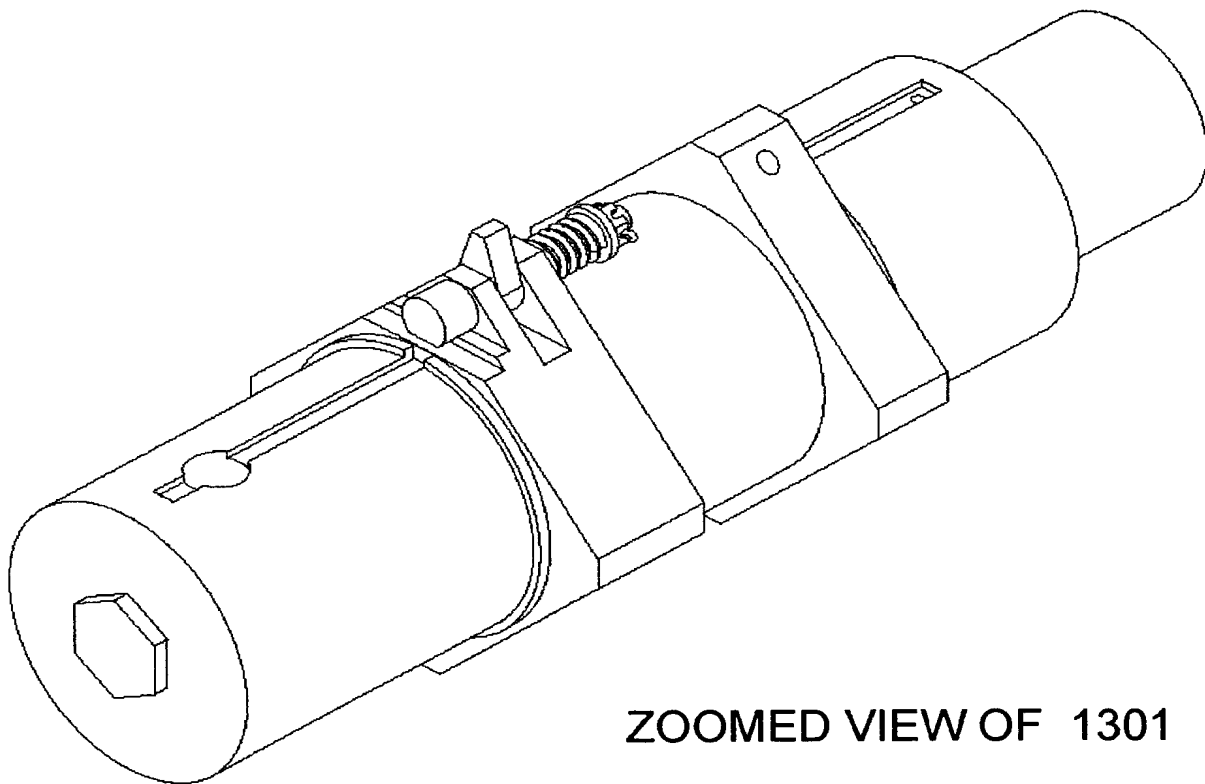
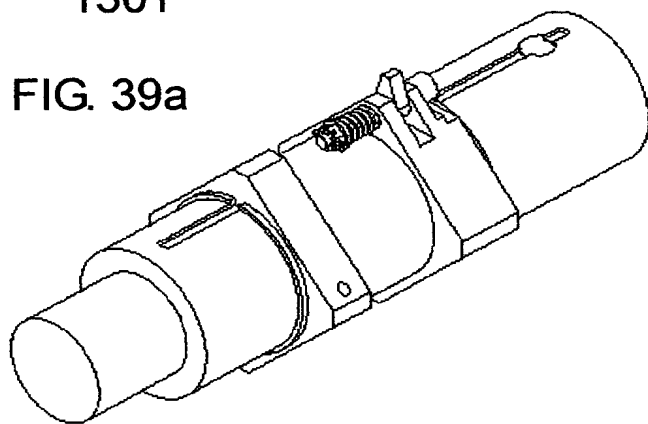
FIG. 37a



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1301

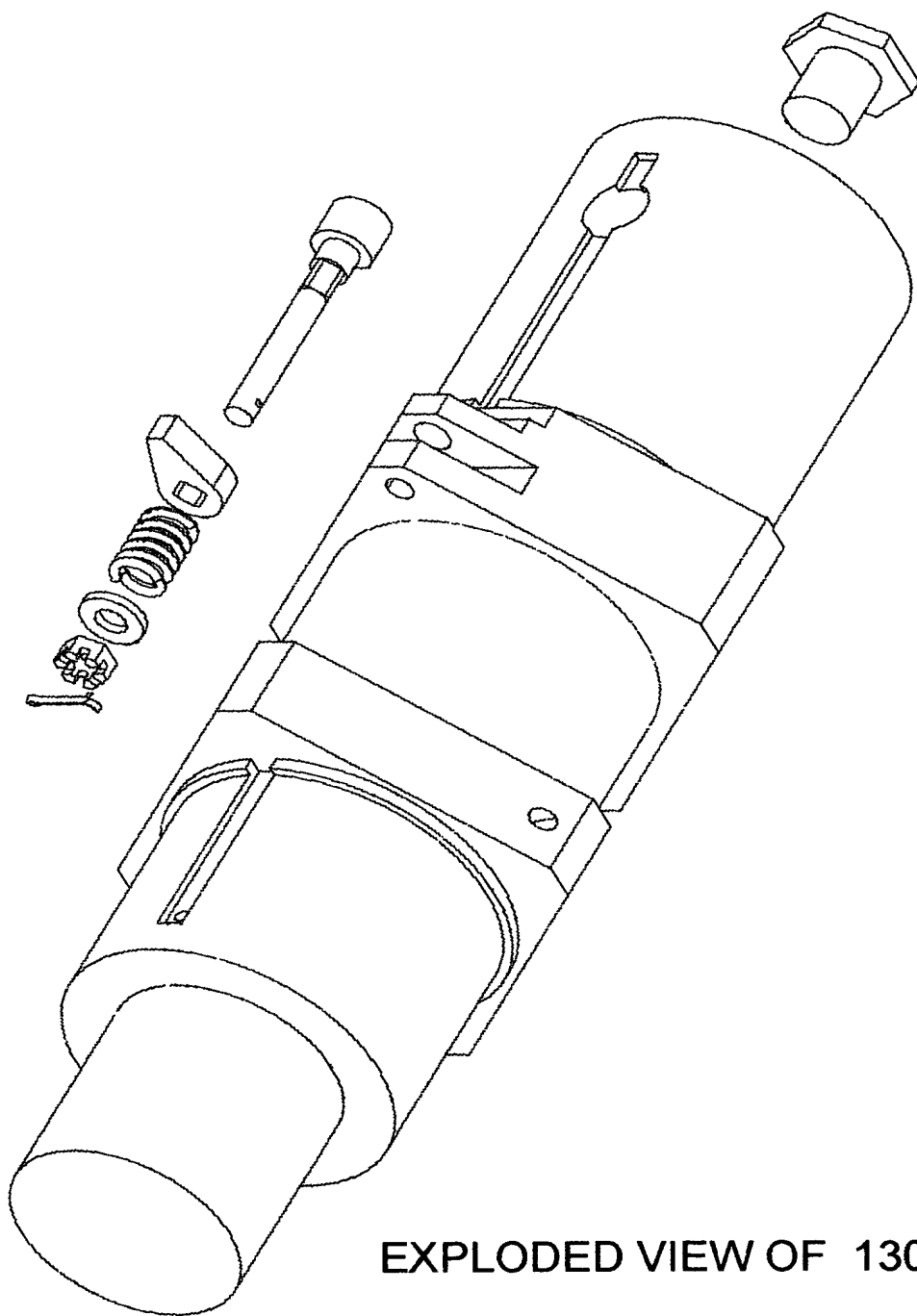
FIG. 39a



ZOOMED VIEW OF 1301

FIG. 39b

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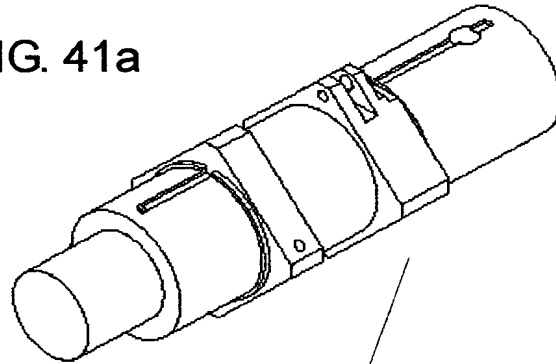


EXPLODED VIEW OF 1301

FIG. 40

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FIG. 41a



1301  
IN DIFFERENT VIEWS

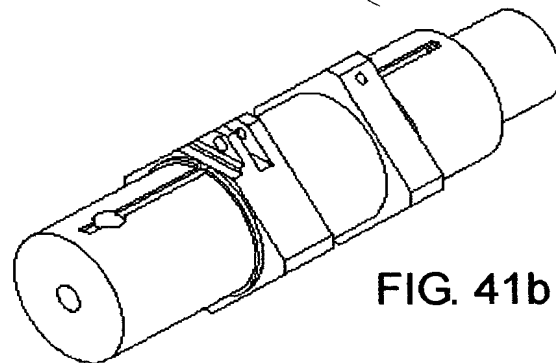


FIG. 41b



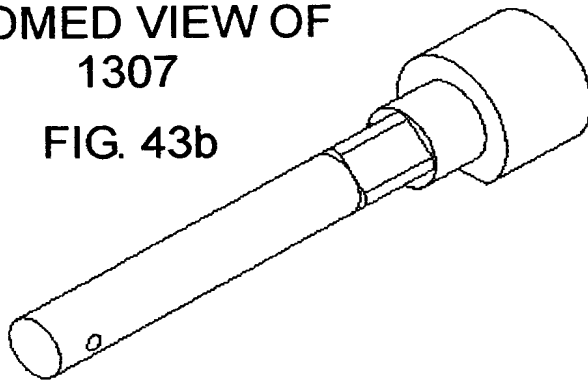
1308

FIG. 42

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ZOOMED VIEW OF  
1307

FIG. 43b



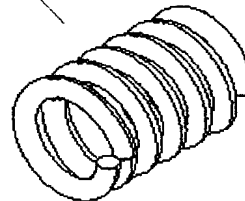
1307

FIG. 43a



ZOOMED VIEW OF 1305

FIG. 45b



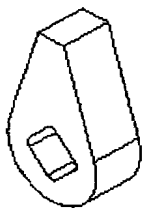
1306

FIG. 44a



ZOOMED VIEW OF  
1306

FIG. 44b



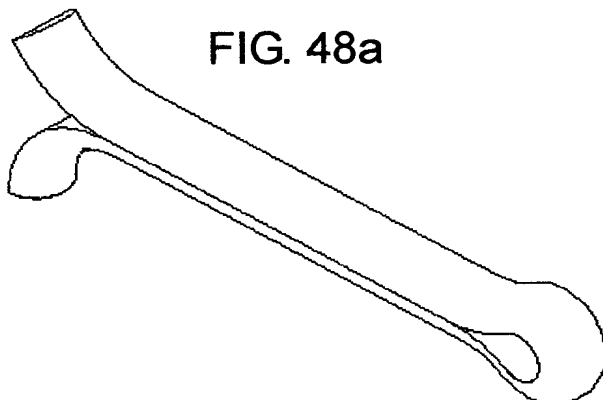
1305

FIG. 45a



1302

FIG. 48a



ZOOMED VIEW OF 1302

FIG. 48b



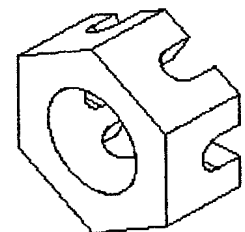
1304

FIG. 47



1303

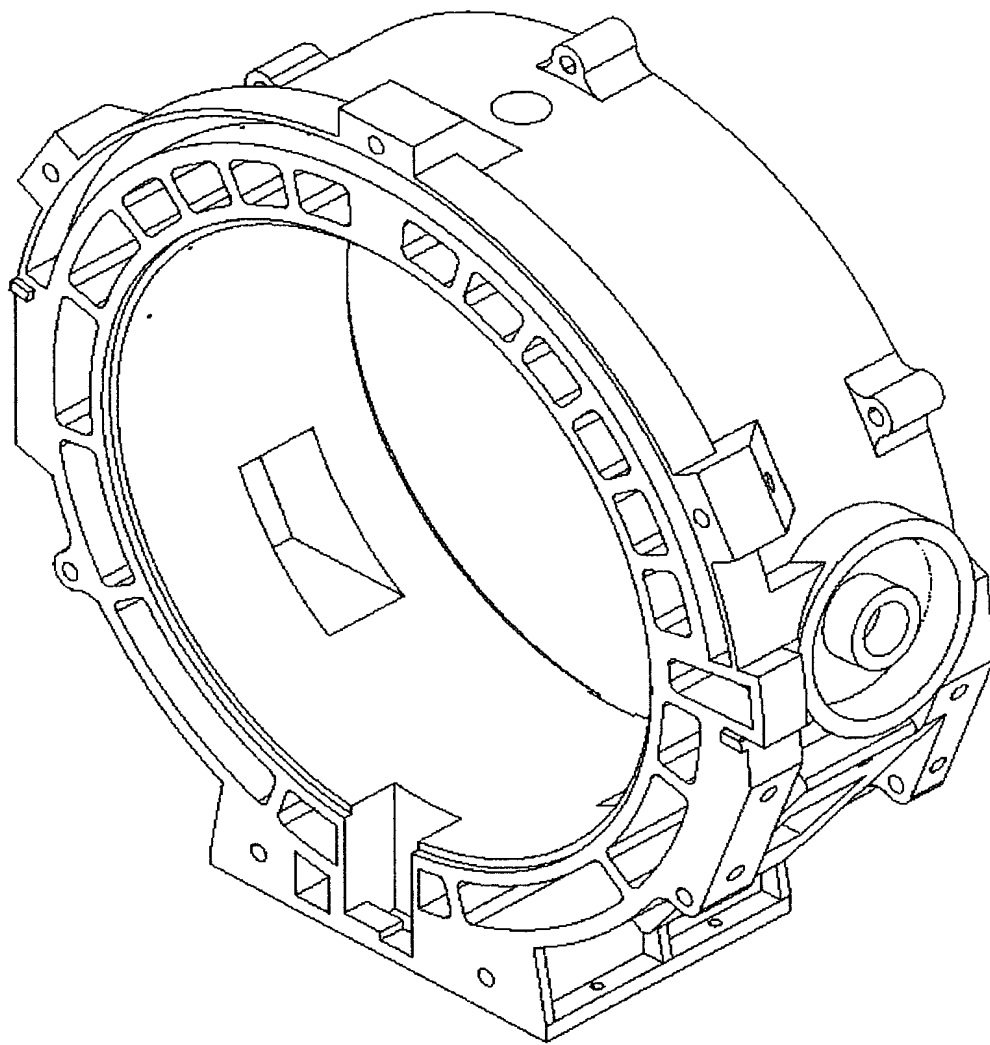
FIG. 46a



ZOOMED VIEW OF  
1303

FIG. 46b

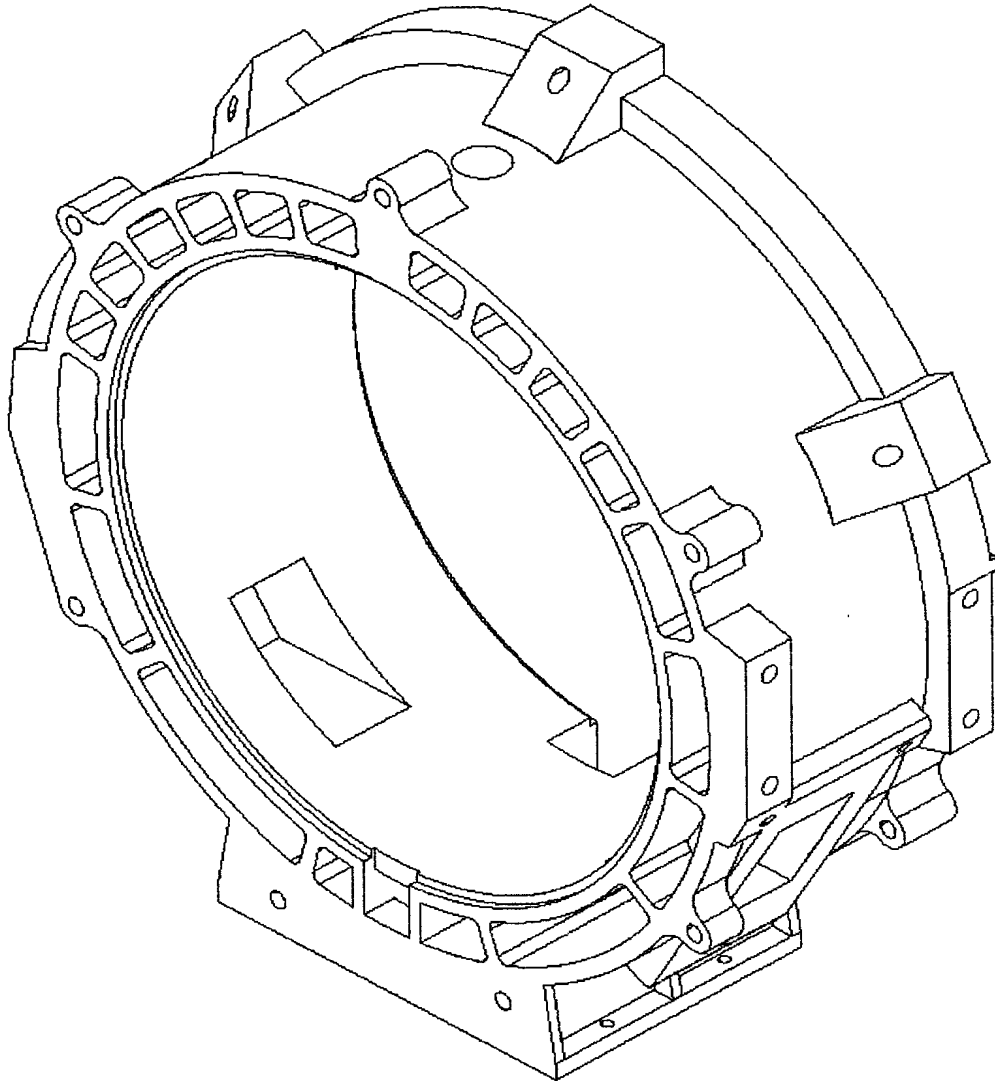
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2101

FIG. 49a

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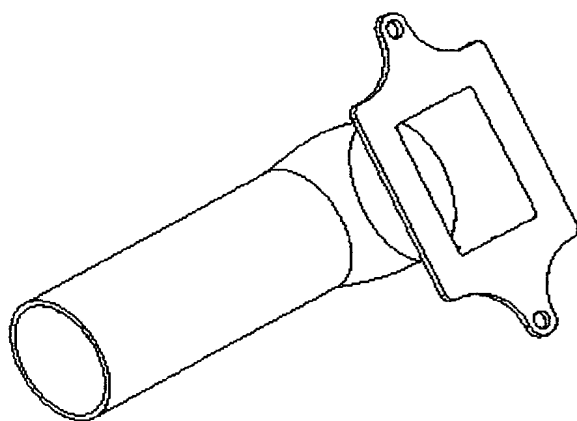


OTHER VIEW OF 2101

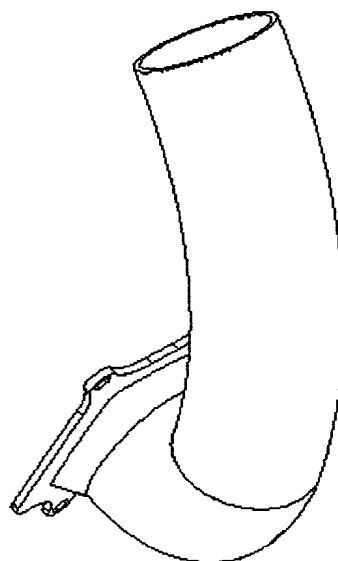
FIG. 49b



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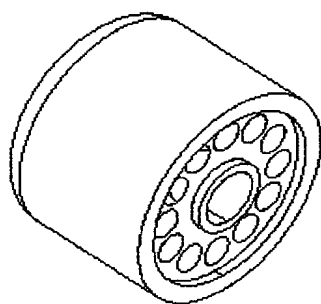
2105  
FIG. 52



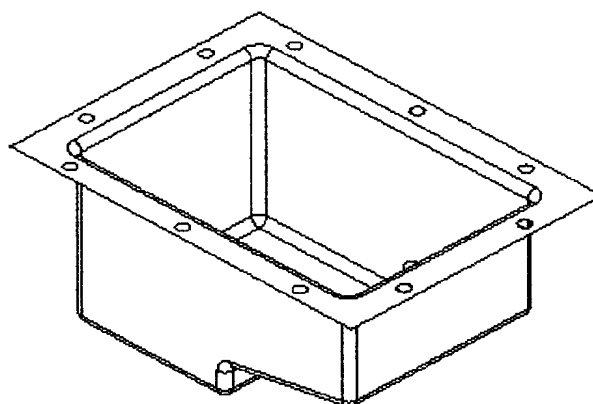
2111  
FIG. 51



2102  
FIG. 50



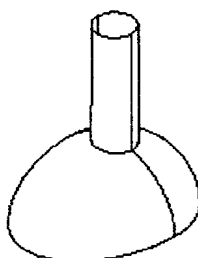
2104  
FIG. 54



2109  
FIG. 53



2103  
FIG. 57

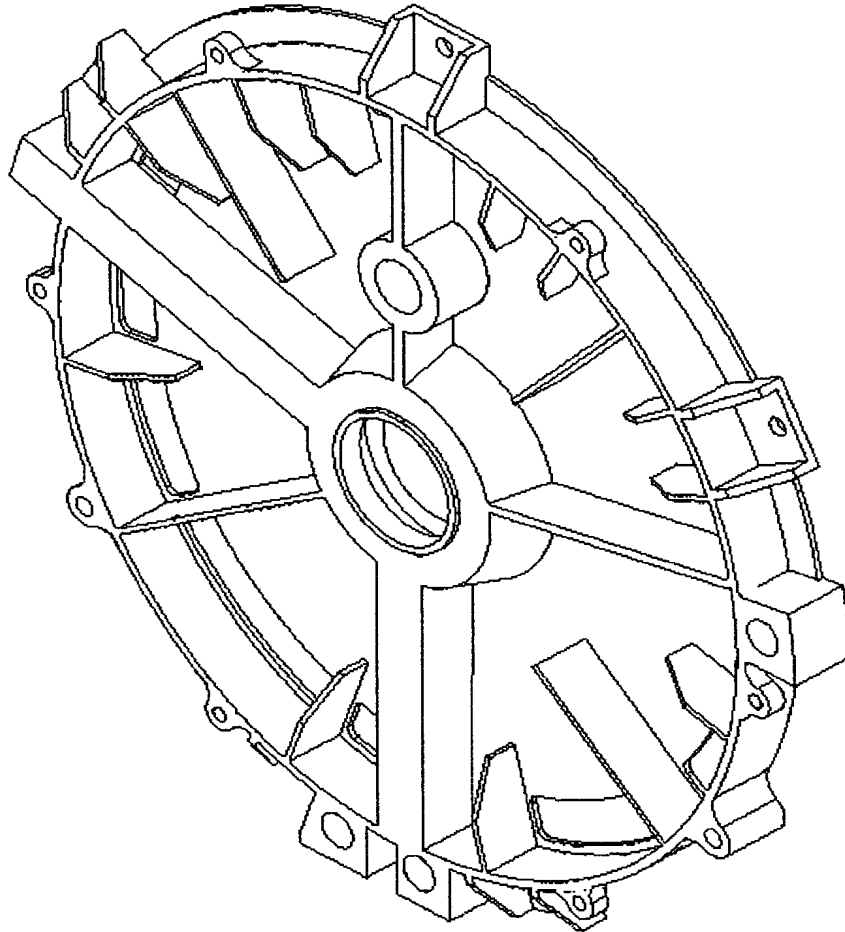


2108  
FIG. 56



2110  
FIG. 55

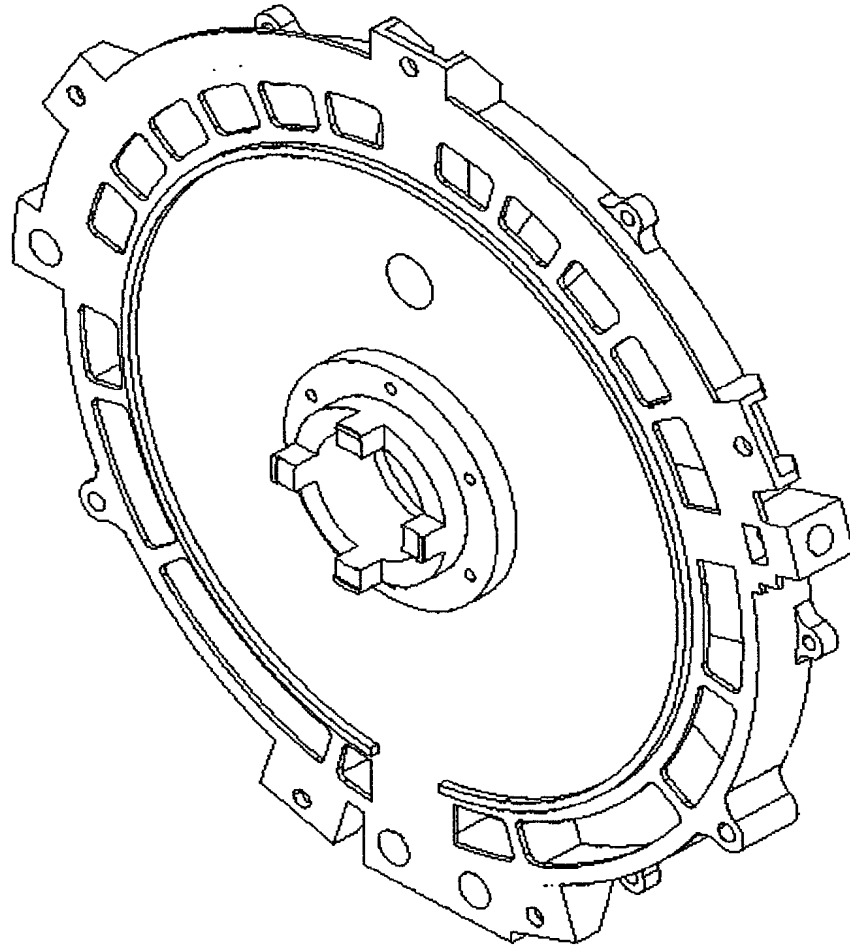
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3105

FIG. 58a

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OTHER VIEW 3105

FIG. 58b

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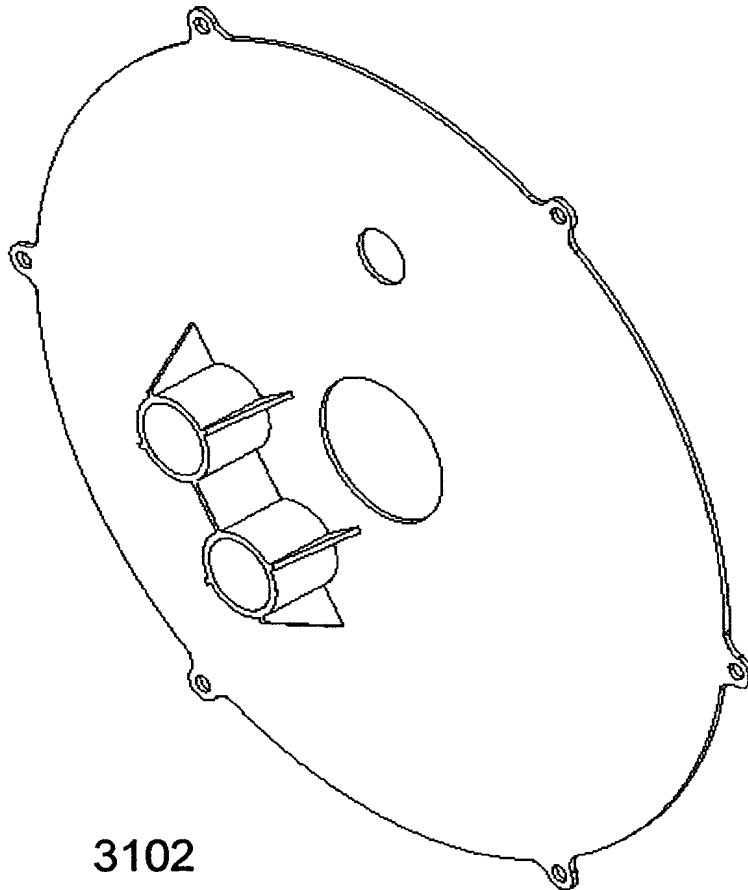
3101

FIG. 60



3106

FIG. 59



3102

FIG. 61

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FIG. 62b

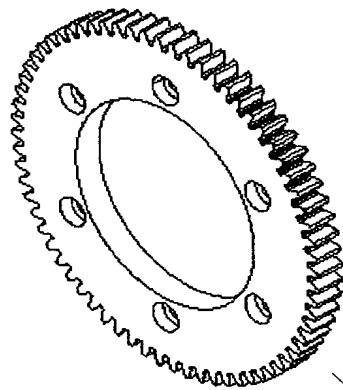
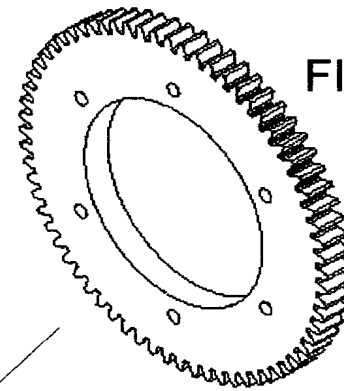
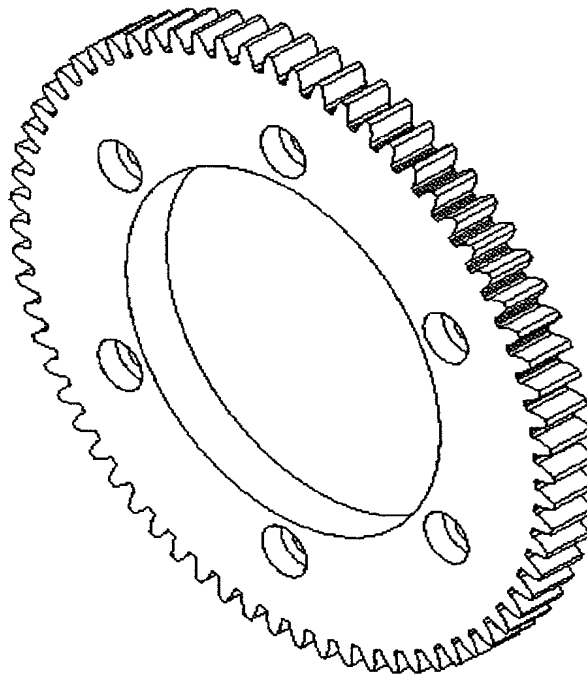


FIG. 62a



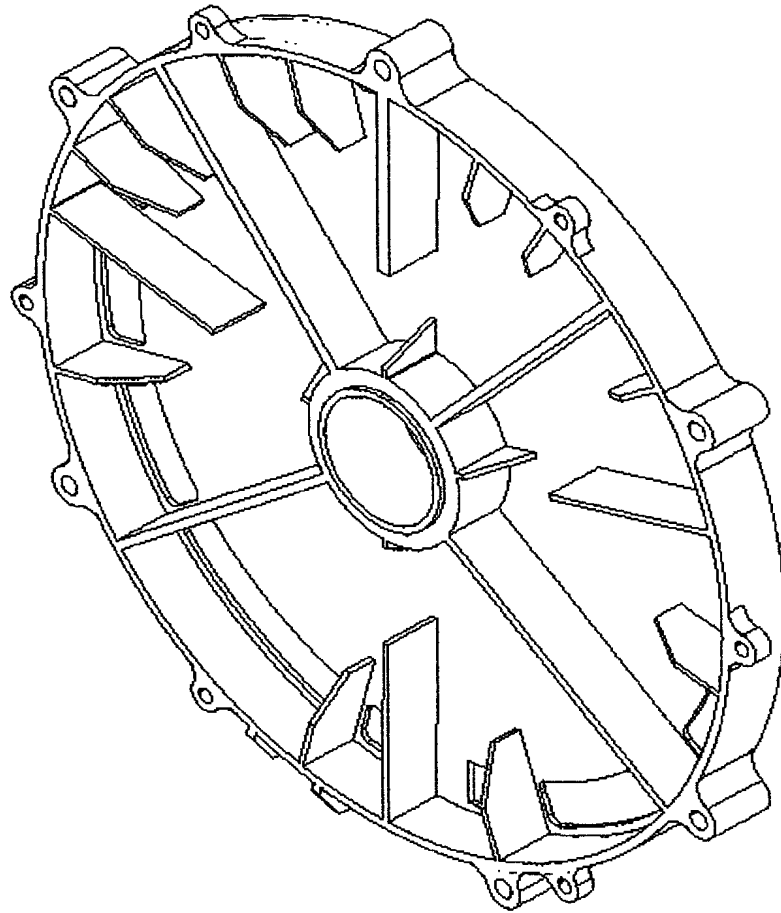
3107 IN DIFFERENT VIEWS



ZOOMED VIEW OF 3107

FIG. 62c

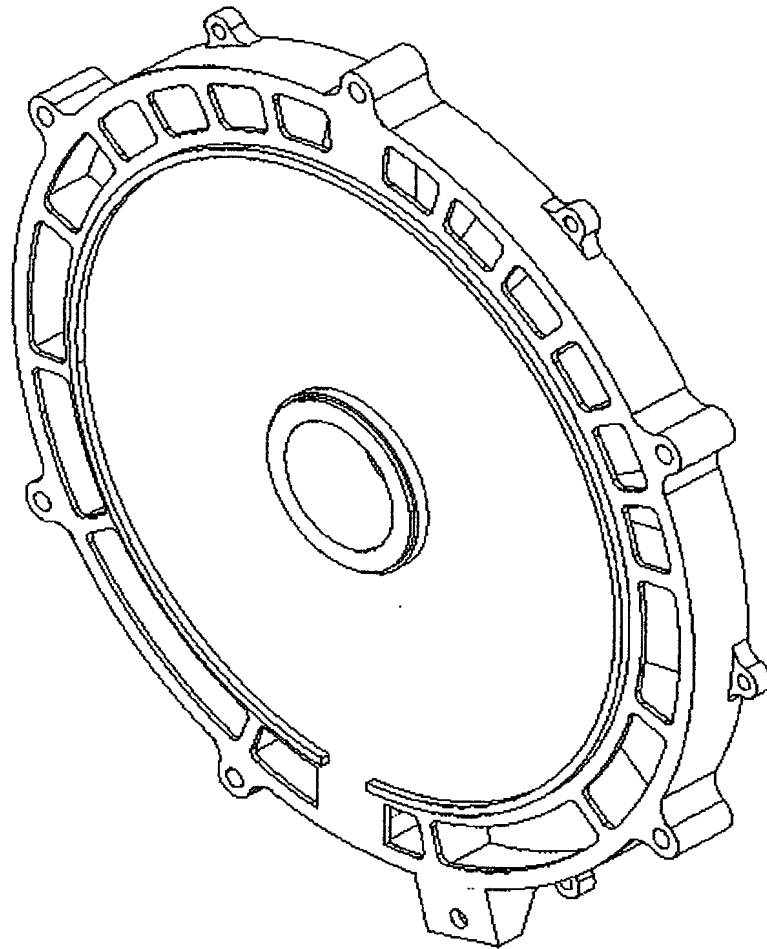
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4104

FIG. 63a

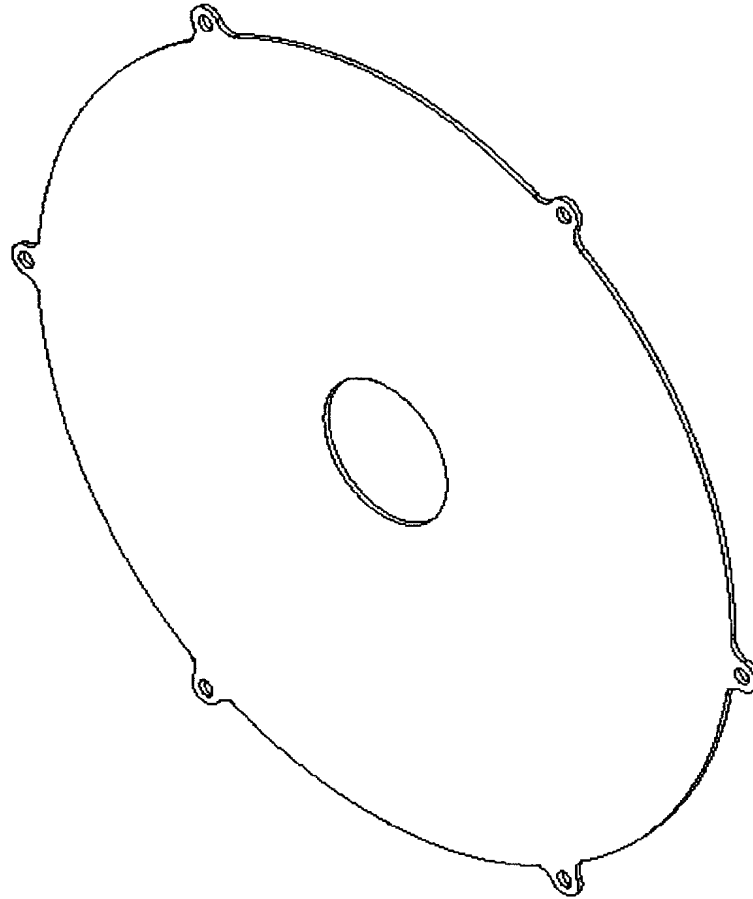
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OTHER VIEW OF 4104

FIG. 63b

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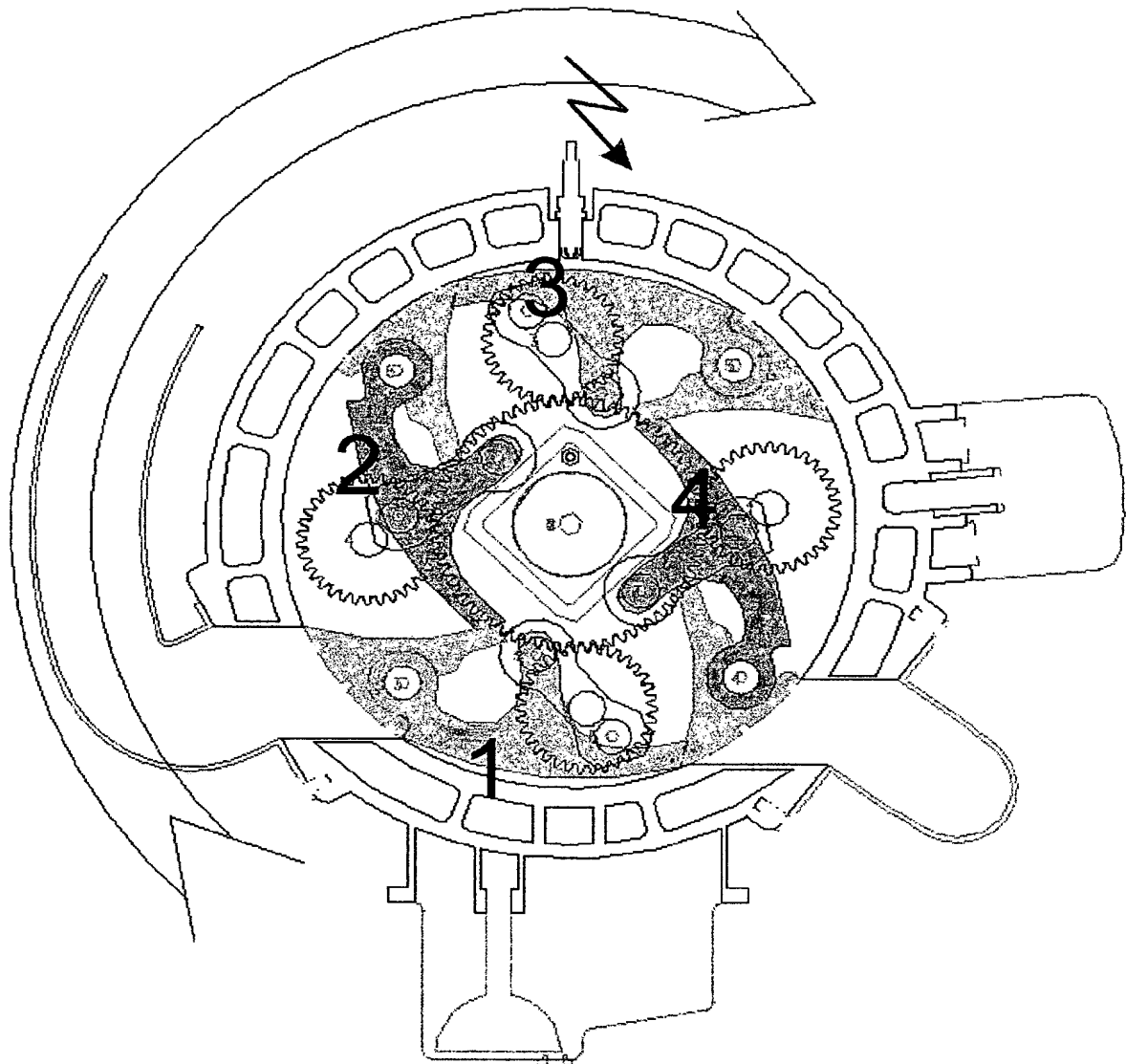
4101

FIG. 64



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PISTON NO. 1 IS AT THE START OF INTAKE STROKE.  
PISTON NO. 2 IS AT THE START OF COMPRESSION STROKE.  
PISTON NO. 3 IS AT THE START OF COMBUSTION STROKE.  
PISTON NO. 4 IS AT THE START OF EXHAUST GAS STROKE.

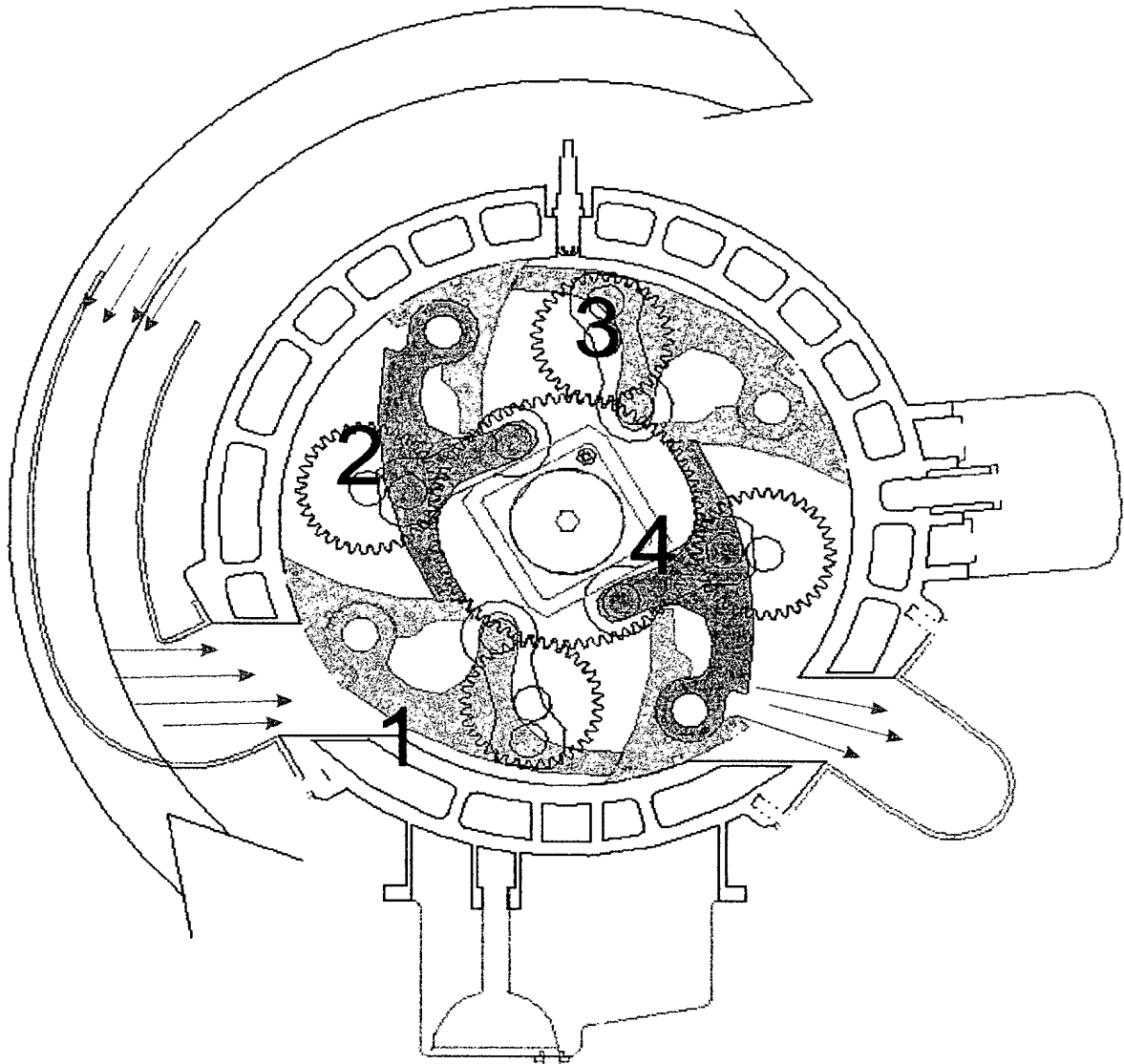


0 DEGREE ROTATION OF MAIN SHAFT

FIG. 65

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PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE.  
PISTON NO. 4 IS IN EXHAUST GAS STROKE.

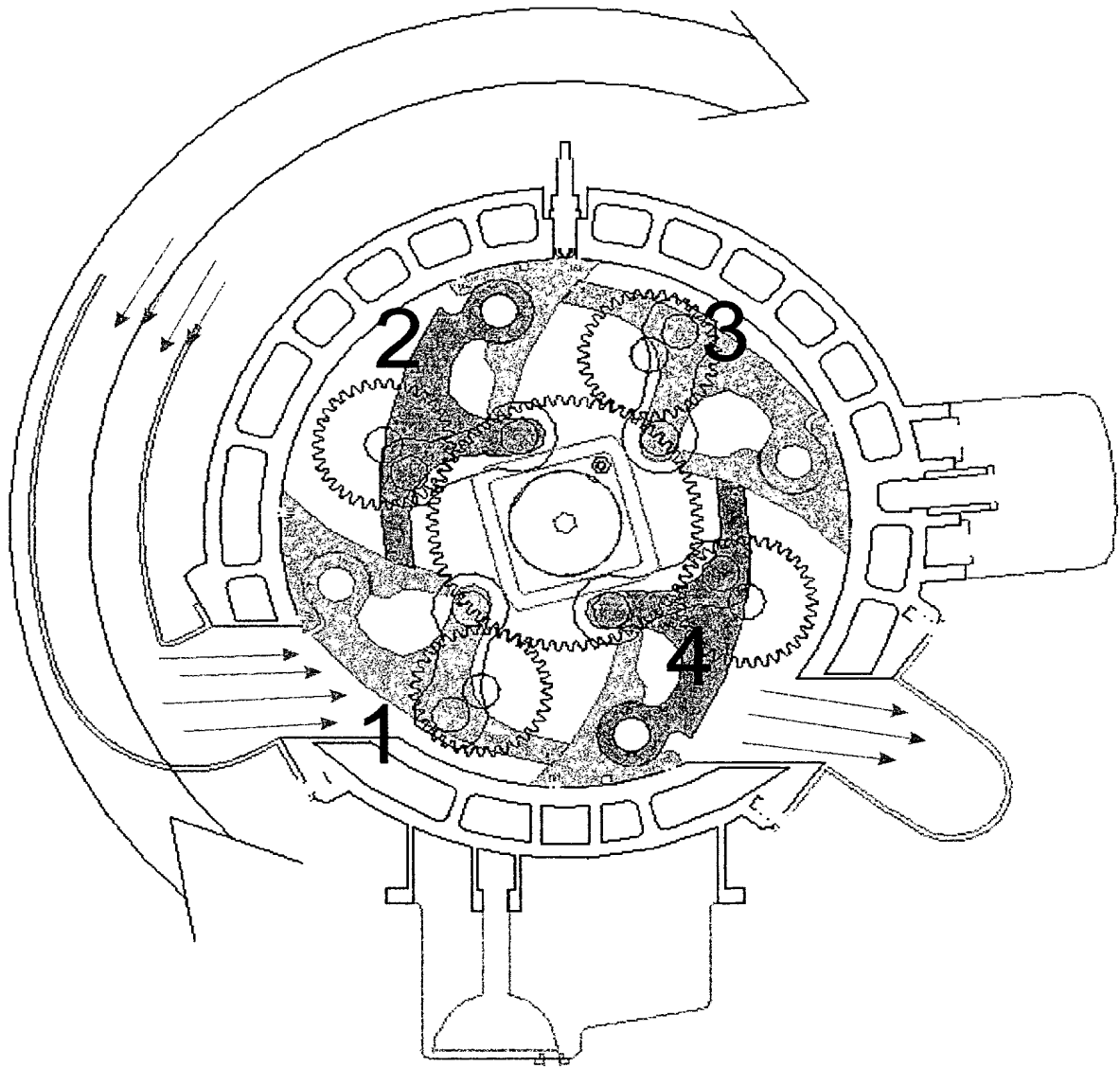


15 DEGREE ROTATION OF MAIN SHAFT

FIG. 66

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PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .

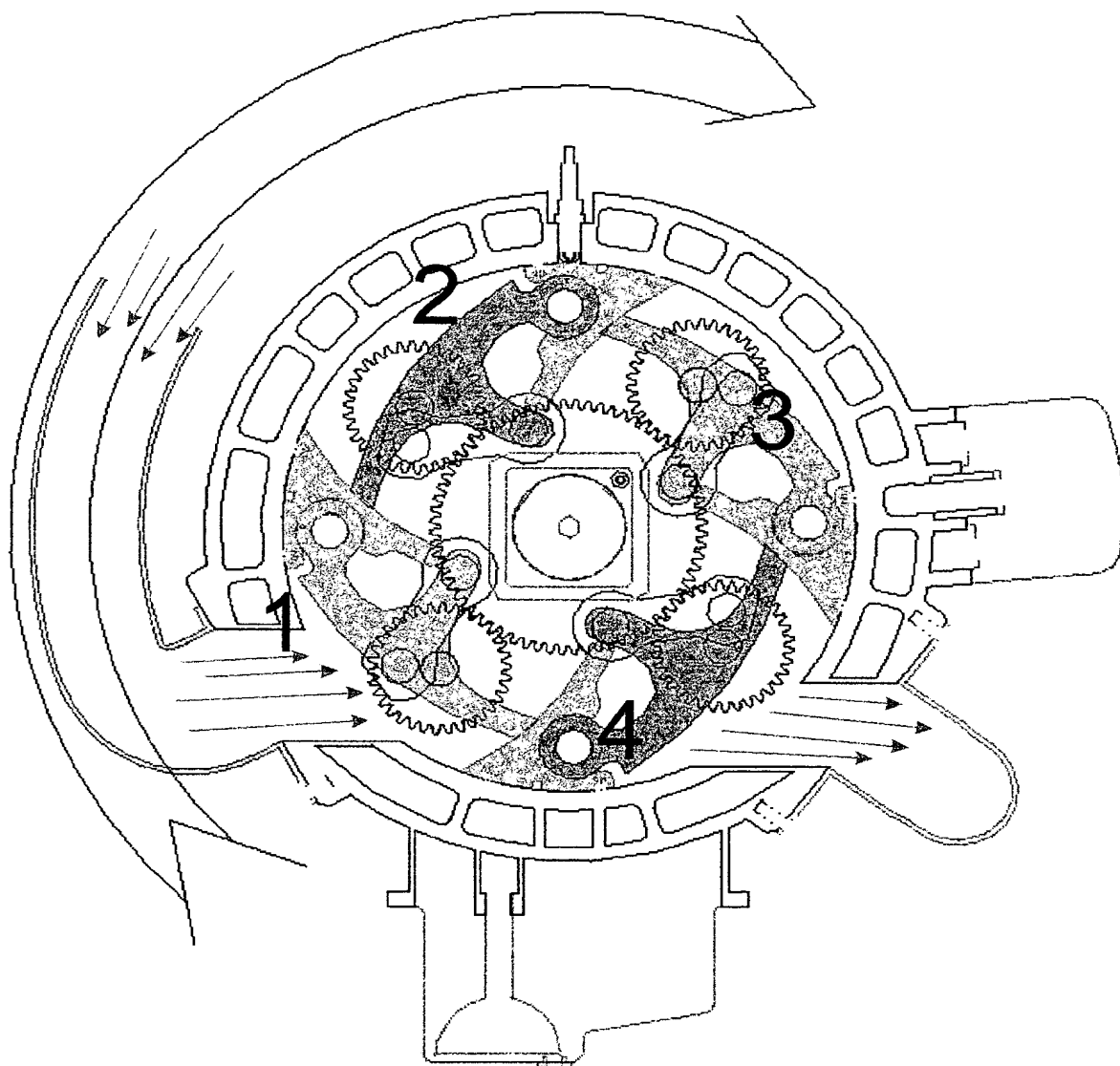


30 DEGREE ROTATION OF MAIN SHAFT

FIG. 67

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PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .

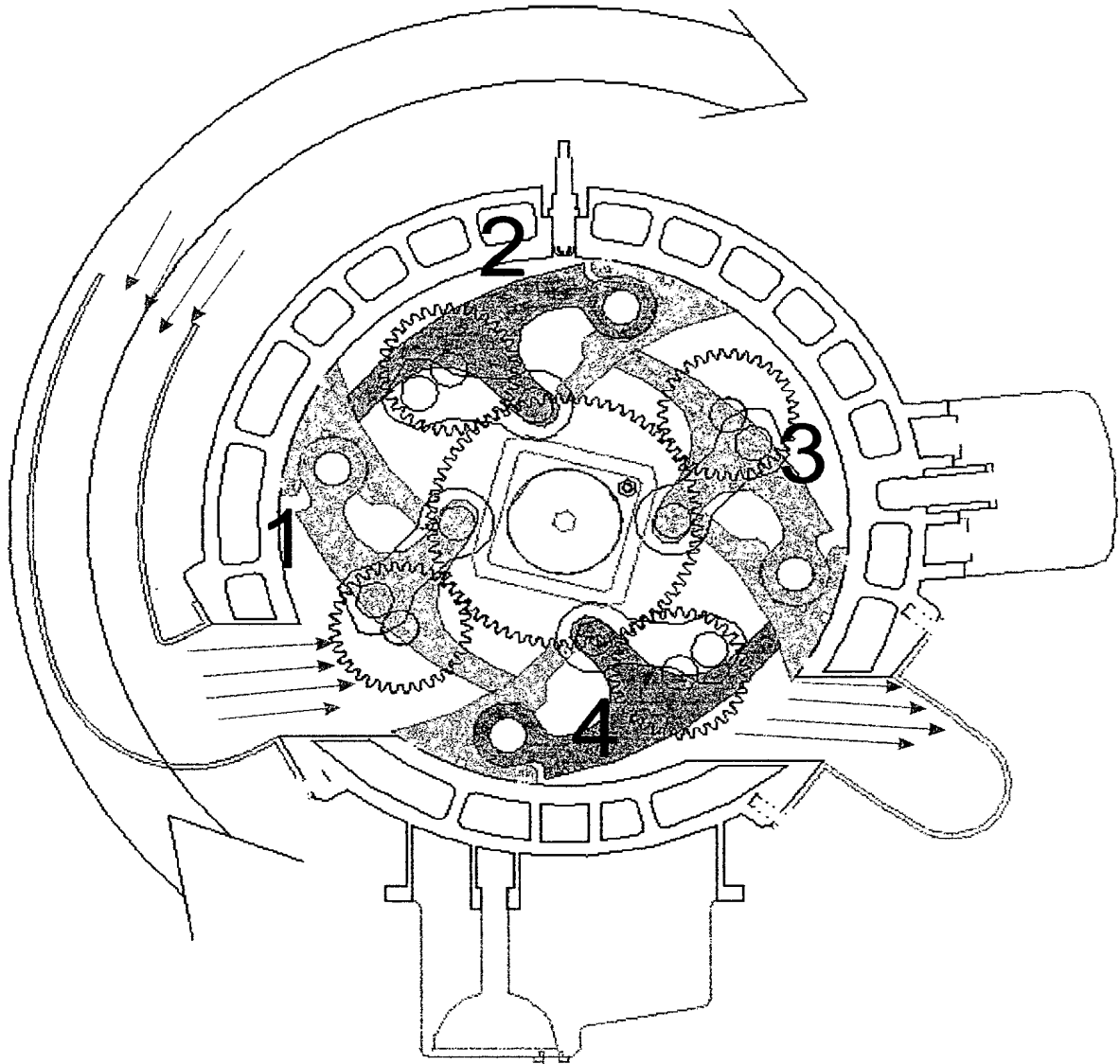


45 DEGREE ROTATION OF MAIN SHAFT

FIG. 68

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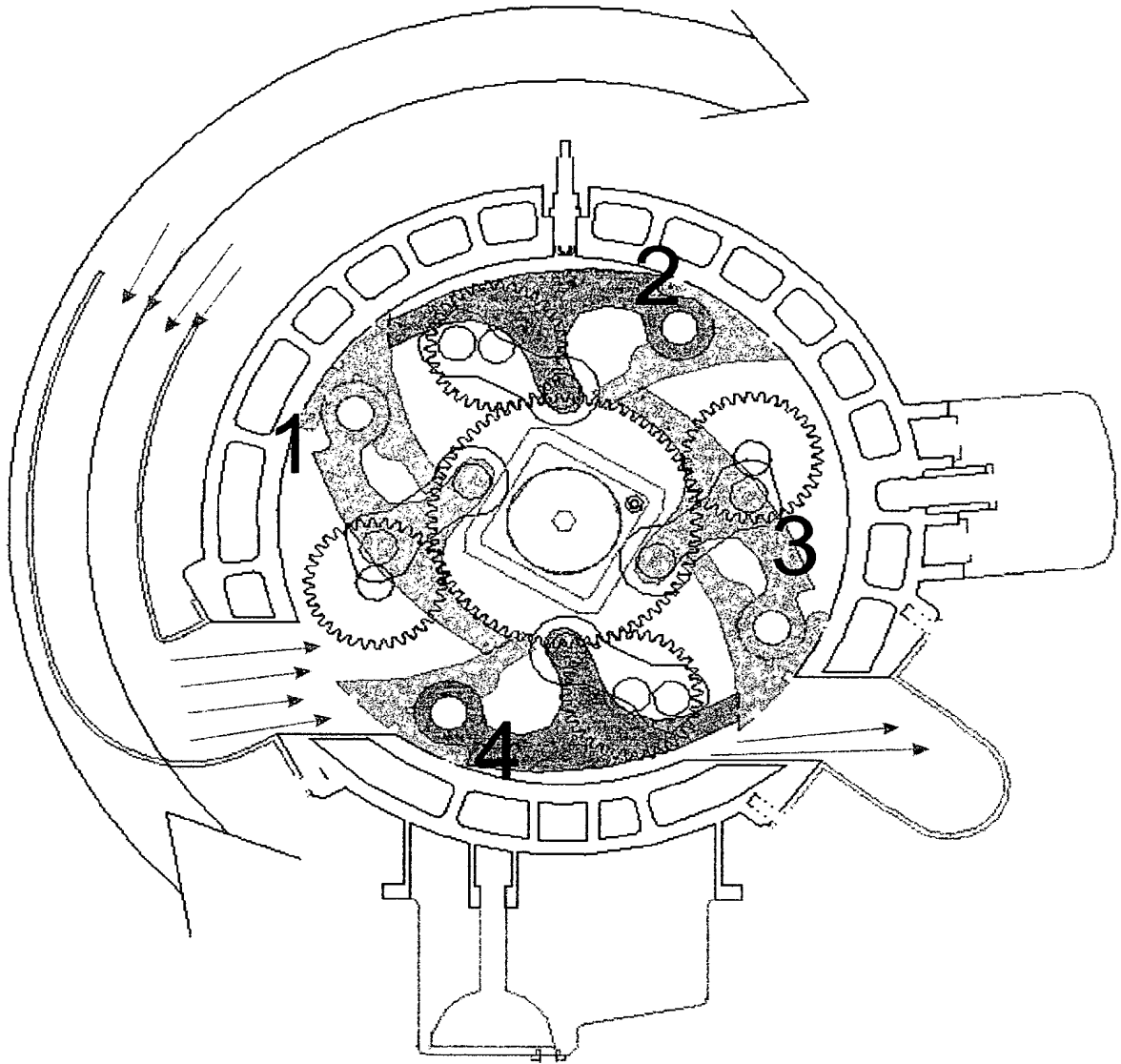
PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .



60 DEGREE ROTATION OF MAIN SHAFT  
FIG. 69

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PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE.  
PISTON NO. 4 IS IN EXHAUST GAS STROKE.

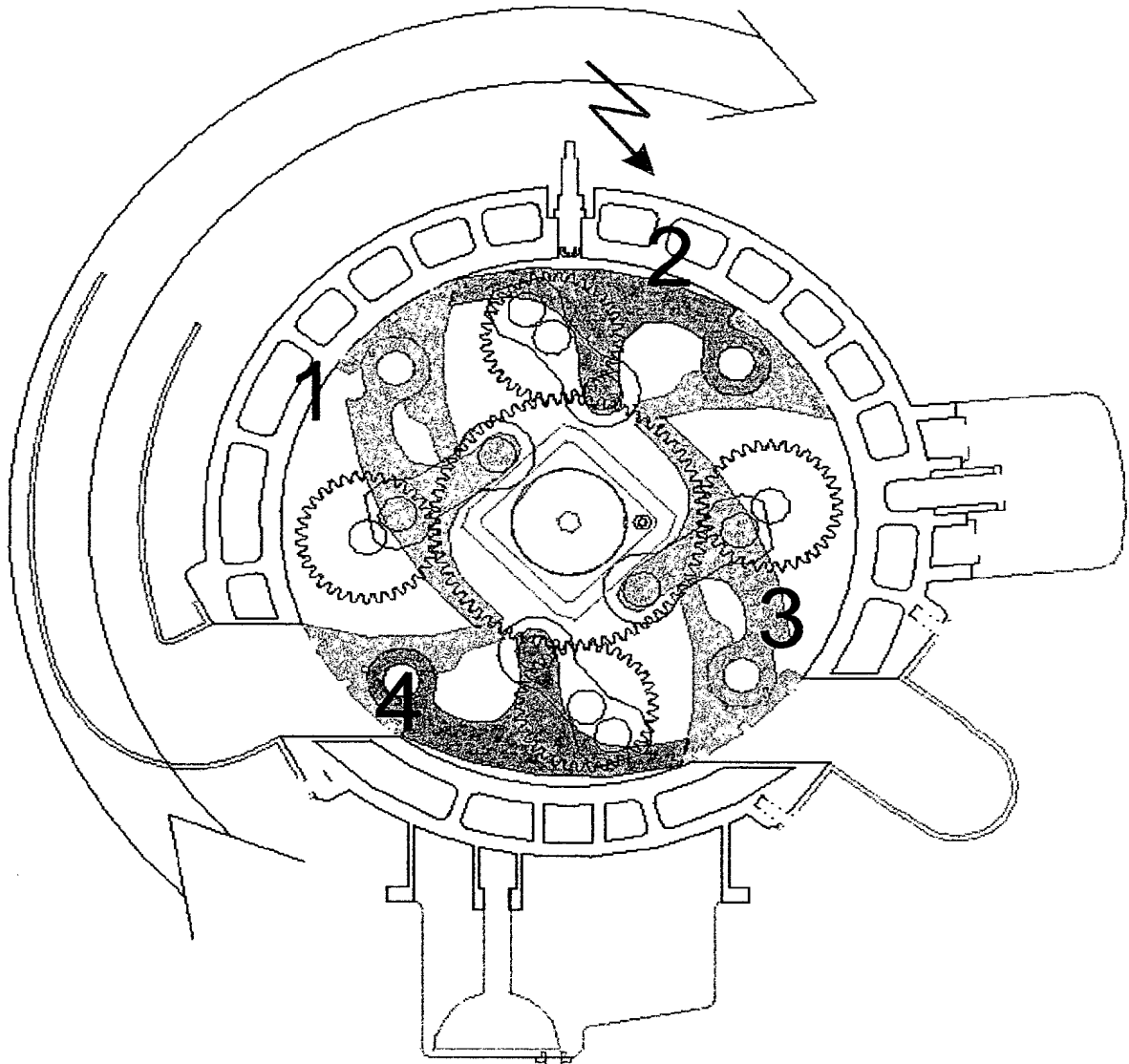


75 DEGREE OF ROTATION OF MAIN SHAFT

FIG. 70

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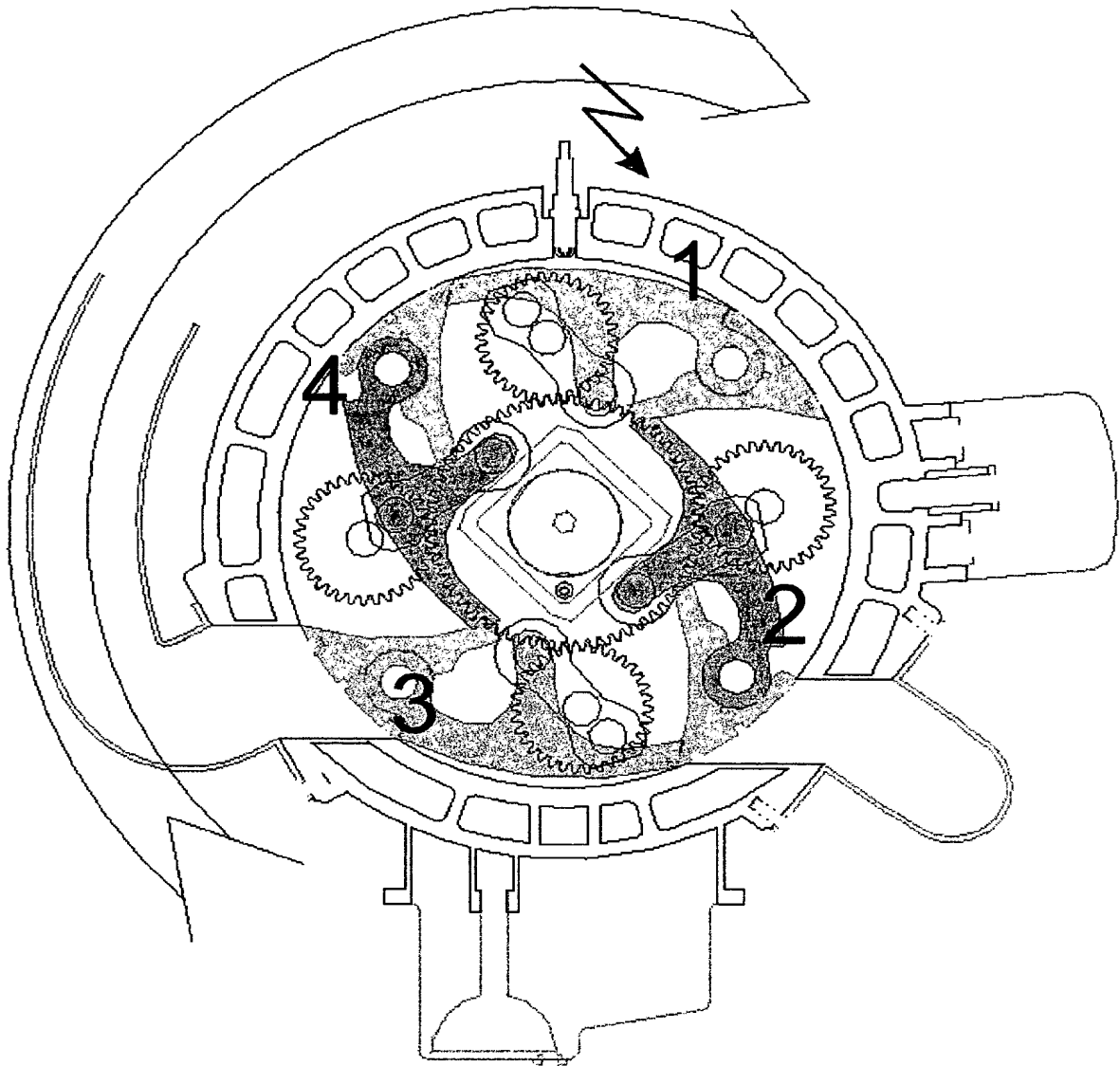
PISTON NO. 1 IS AT THE START OF COMPRESSION STROKE.  
PISTON NO. 2 IS AT THE START OF COMBUSTION STROKE.  
PISTON NO. 3 IS AT THE START OF EXHAUST GAS STROKE .  
PISTON NO. 4 IS AT THE START OF INTAKE STROKE .



90 DEGREE ROTATION OF MAIN SHAFT  
FIG. 71

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PISTON NO. 1 IS AT THE START OF COMBUSTION STROKE.  
PISTON NO. 2 IS AT THE START OF EXHAUST GAS STROKE.  
PISTON NO. 3 IS AT THE START OF INTAKE STROKE .  
PISTON NO. 4 IS AT THE START OF COMPRESSION STROKE .



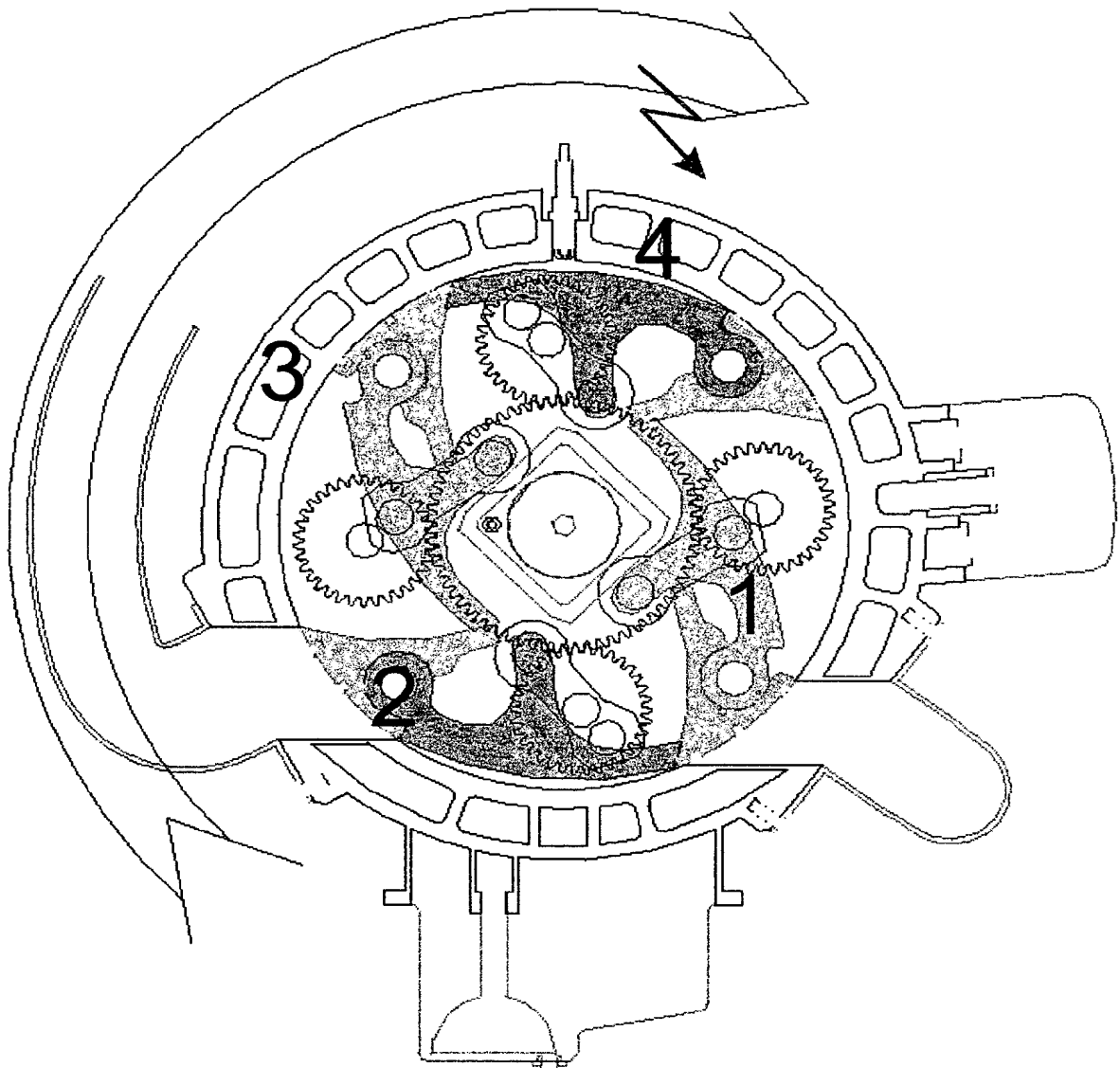
180 DEGREE ROTATION OF MAIN SHAFT

FIG. 72



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PISTON NO. 1 IS AT THE START OF EXHAUST GAS STROKE.  
PISTON NO. 2 IS AT THE START OF INTAKE STROKE.  
PISTON NO. 3 IS AT THE START OF COMPRESSION STROKE .  
PISTON NO. 4 IS AT THE START OF COMBUSTION STROKE .



270 DEGREE ROTATION OF MAIN SHAFT

FIG. 73

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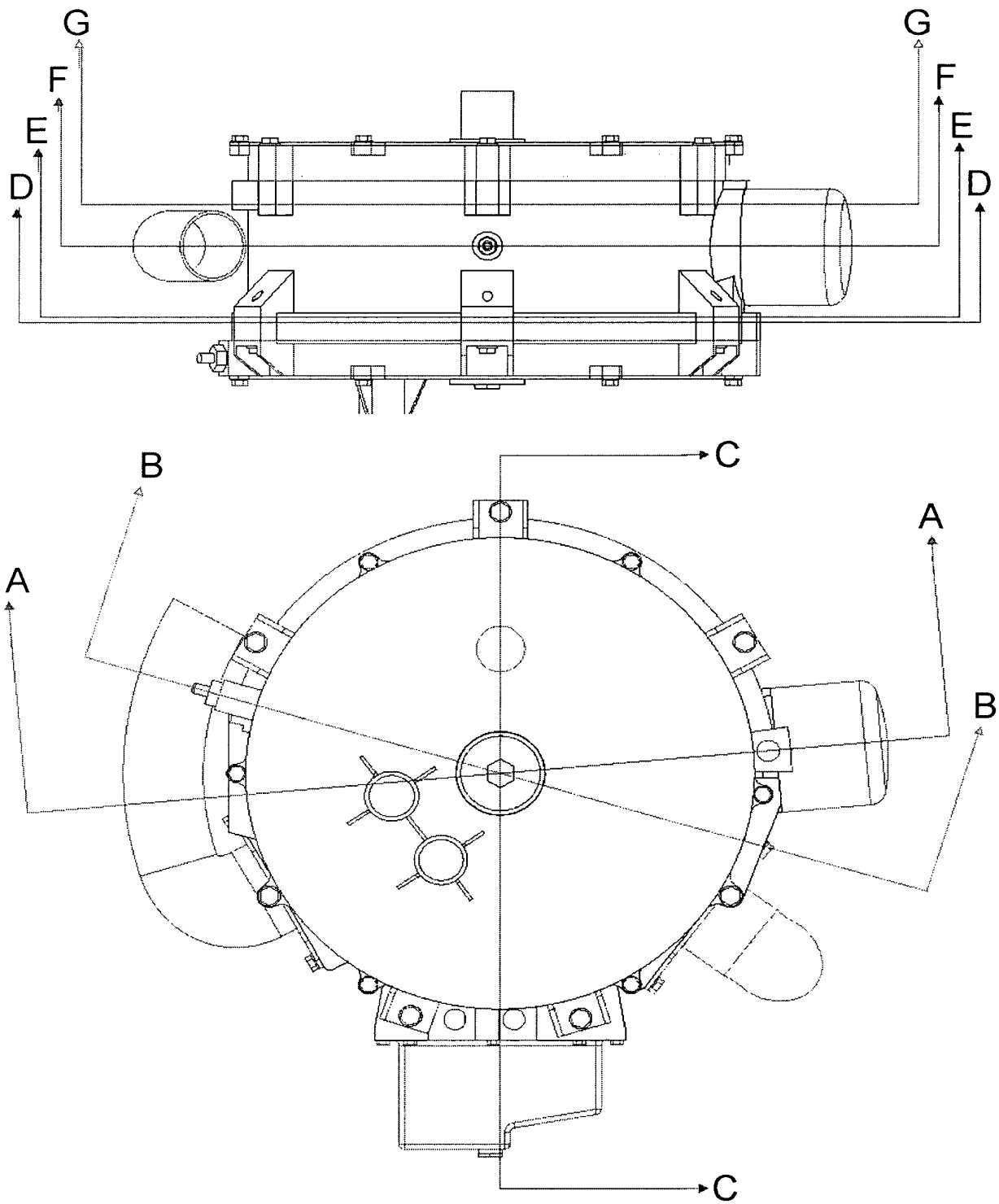


FIG. 74 -FRONT AND TOP VIEW OF ENGINE

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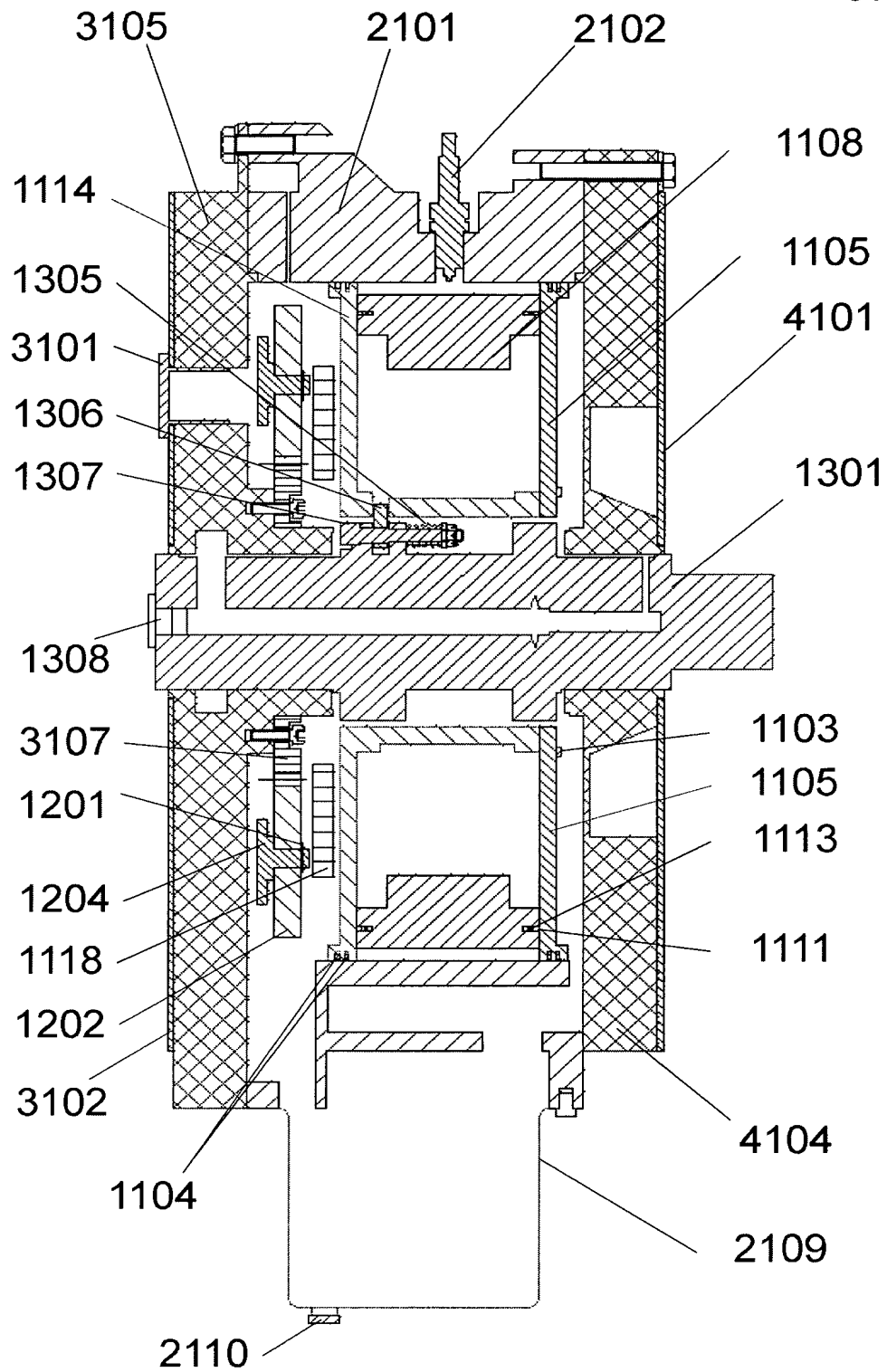


FIG. 75 - SECTION C-C

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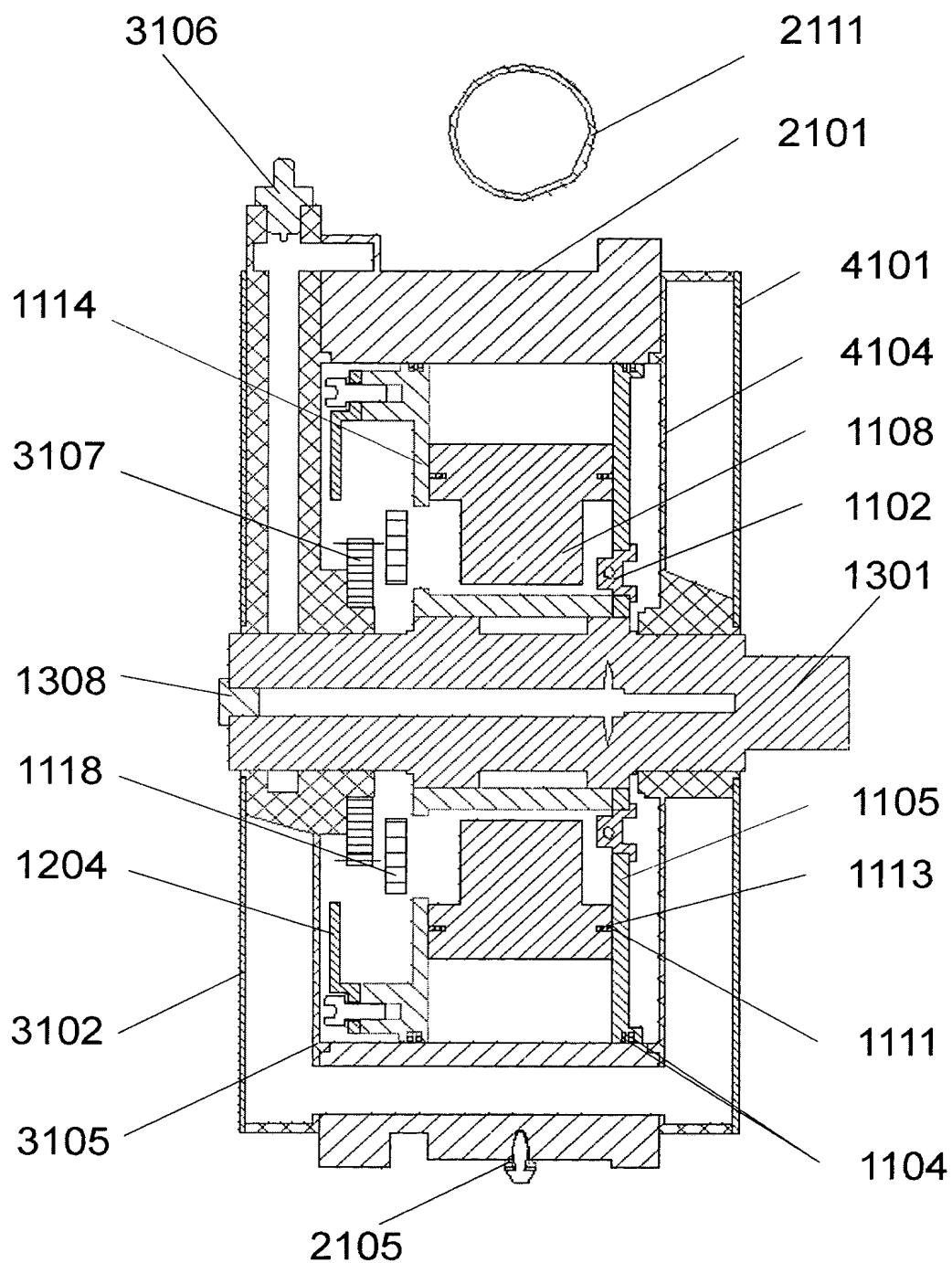


FIG. 76 - SECTION B-B

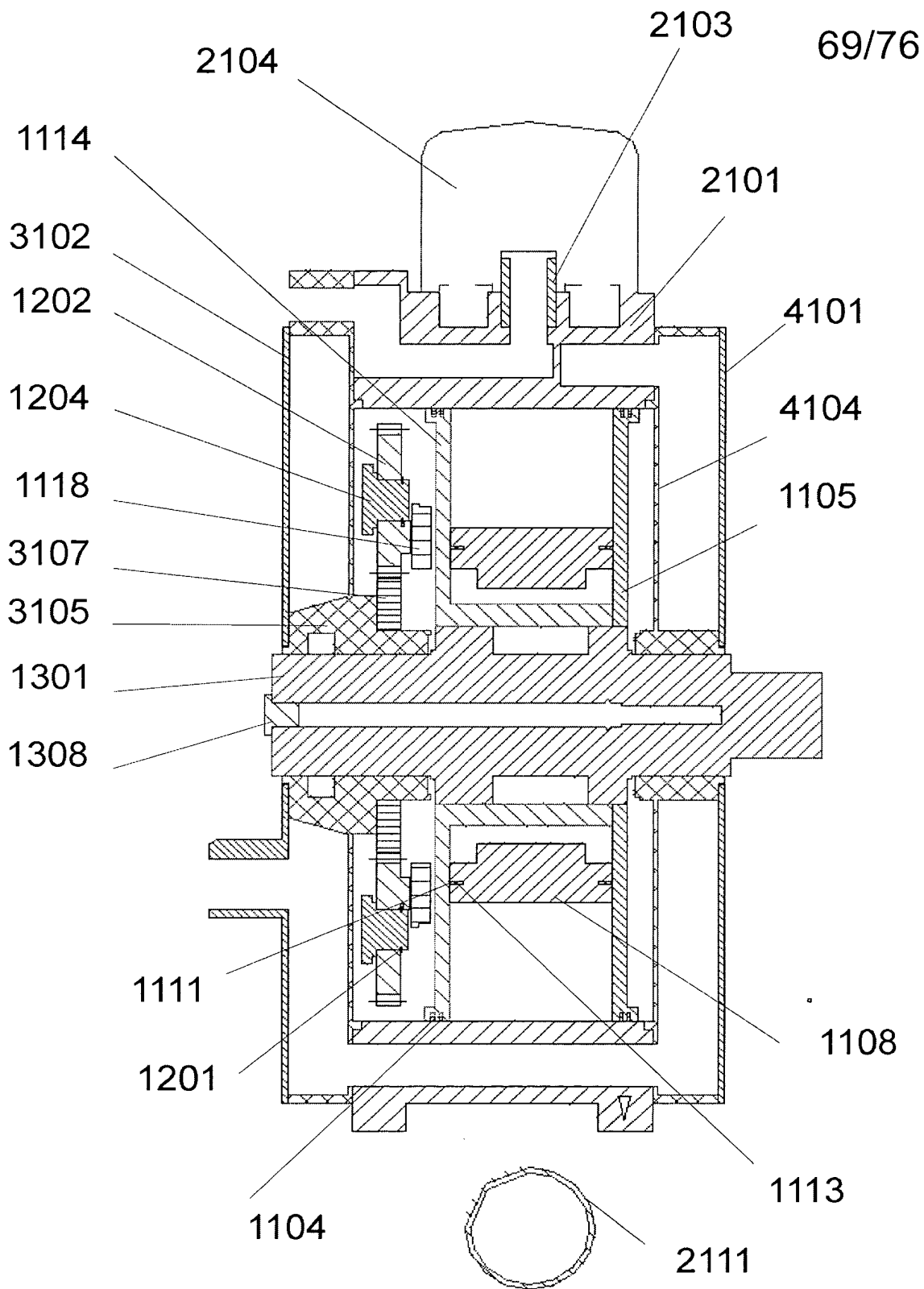


FIG. 77 - SECTION A-A

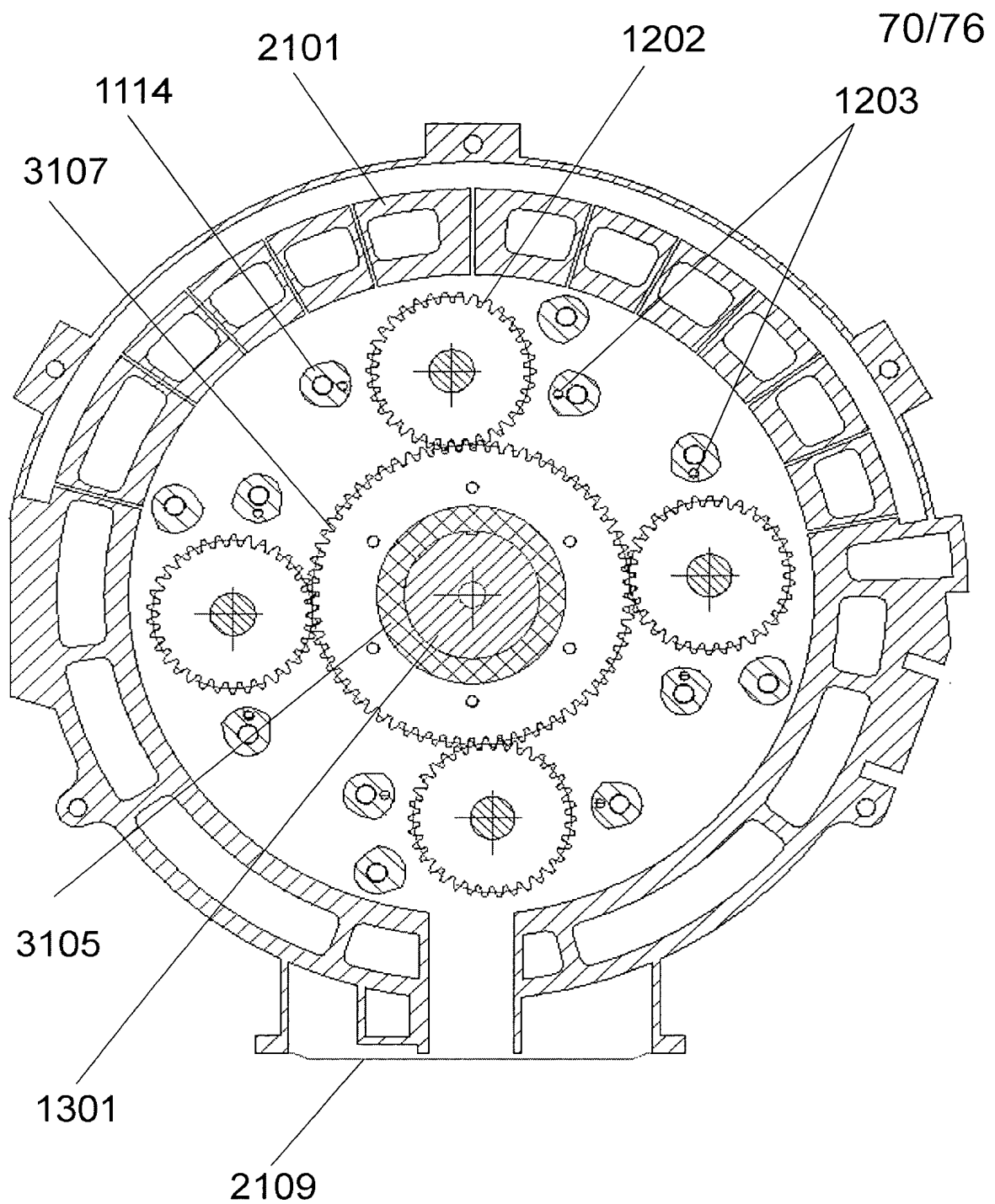


FIG. 78 - SECTION D-D

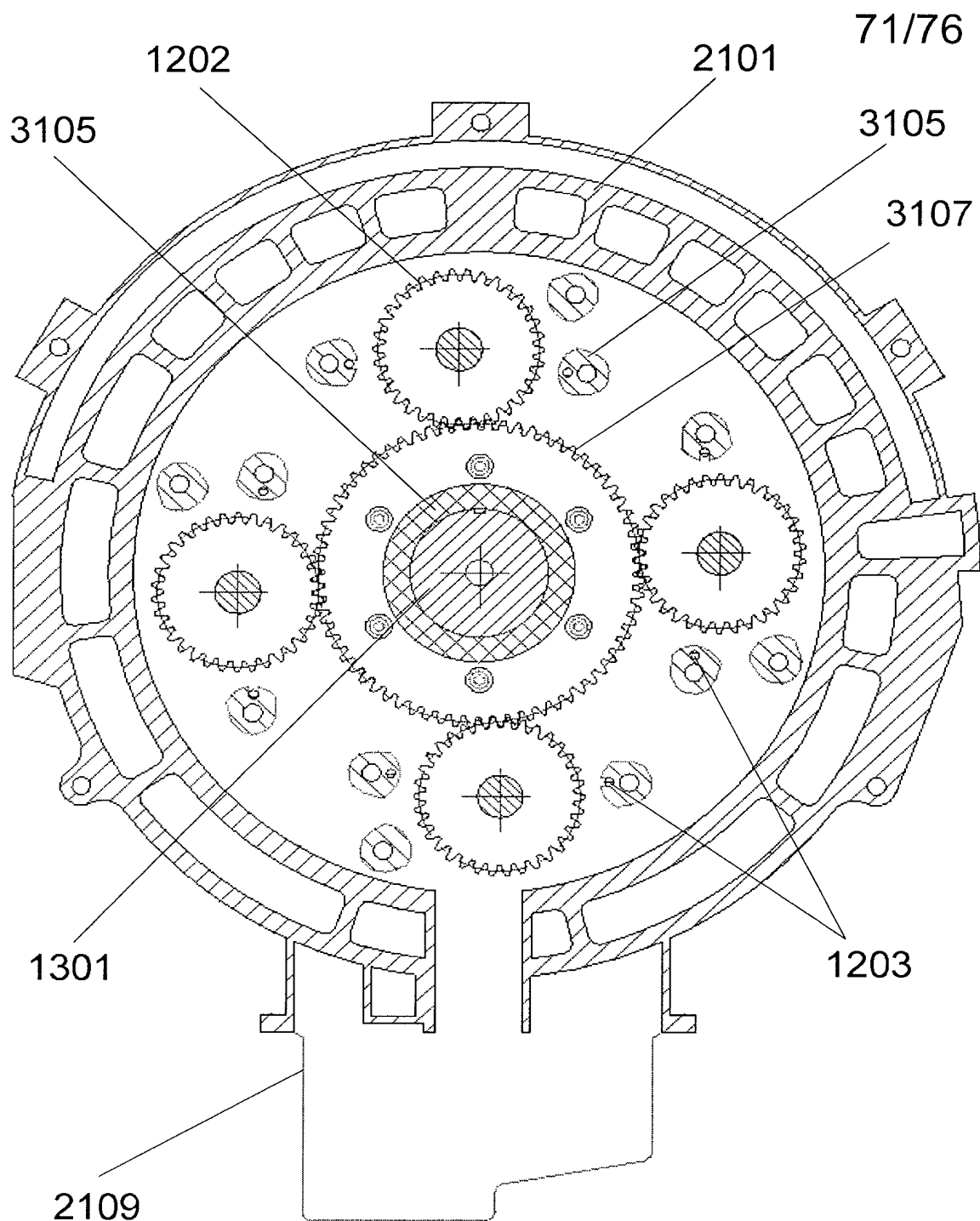


FIG. 79 - SECTION E-E

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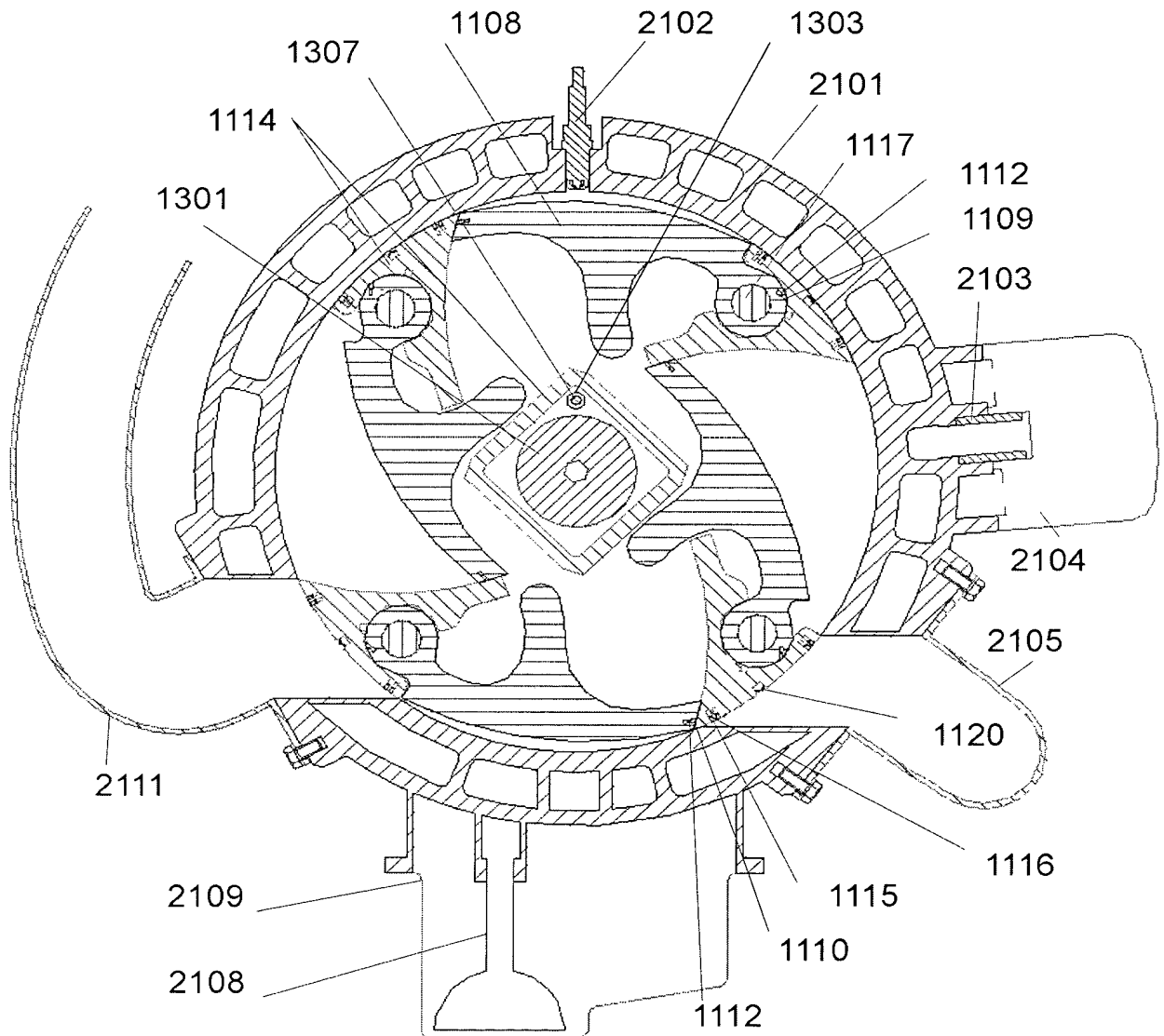


FIG. 80 - SECTION F-F



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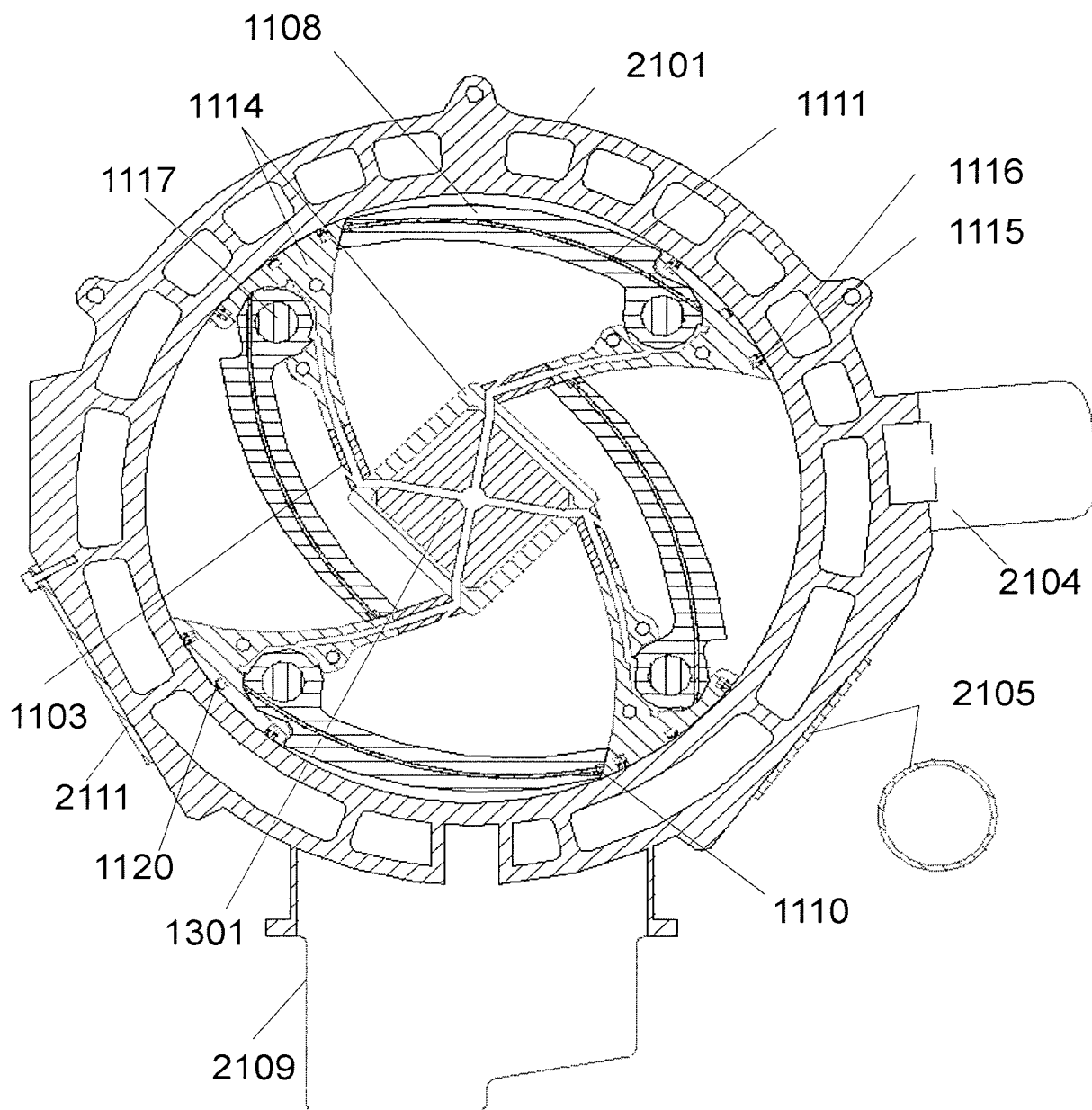


FIG. 81 - SECTION F-F

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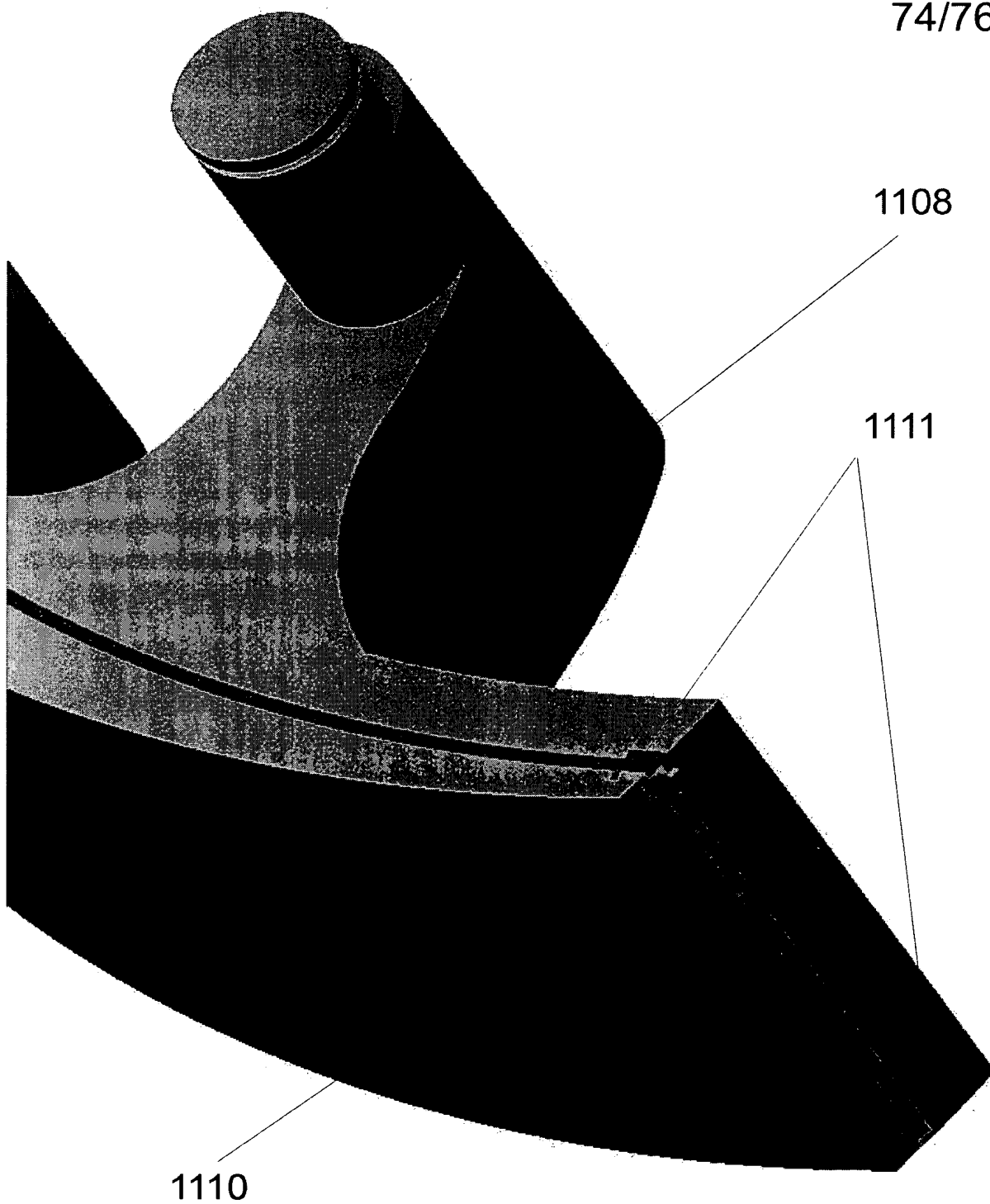
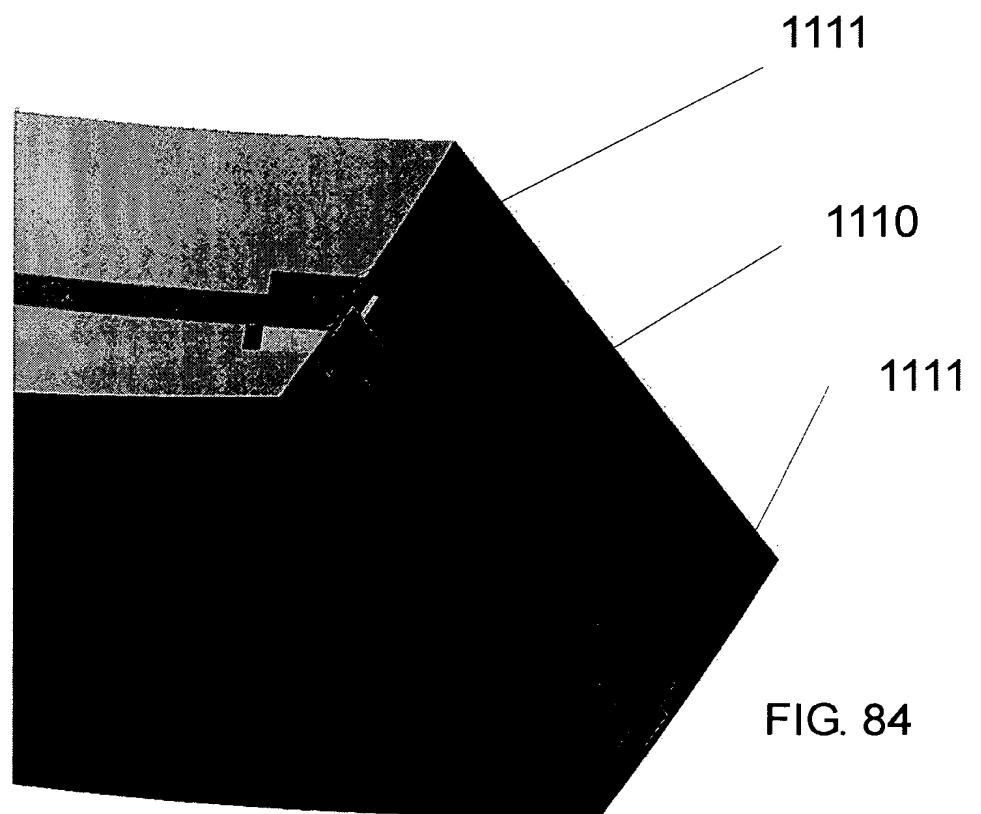
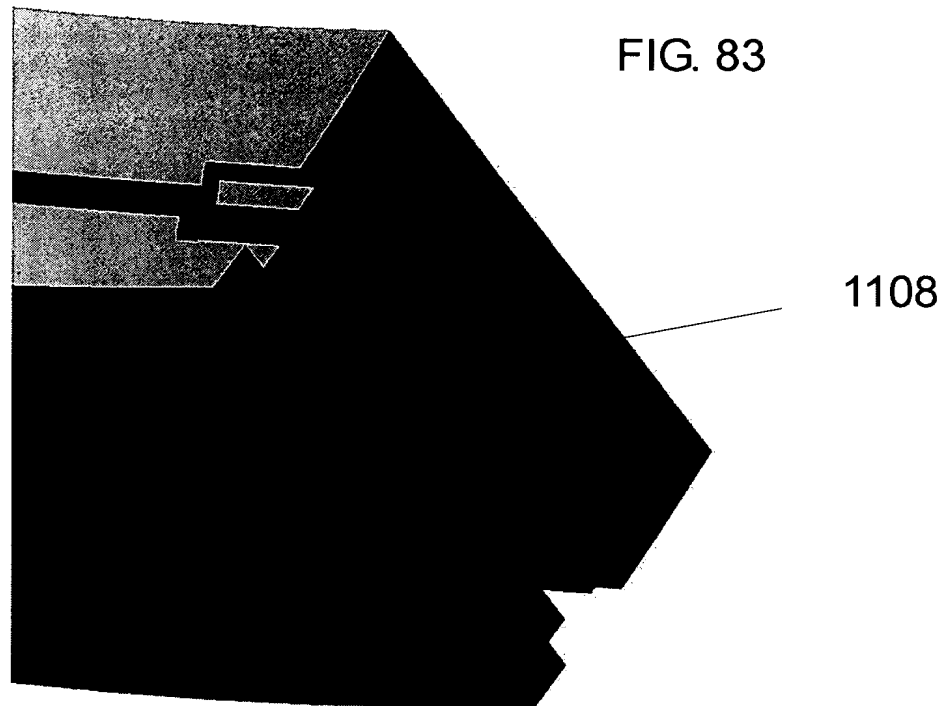


FIG. 82

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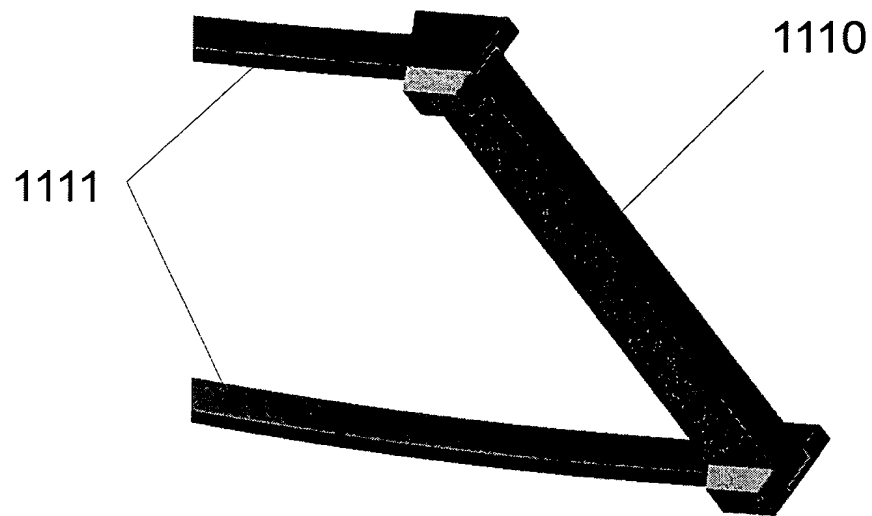


FIG. 85



FIG. 86

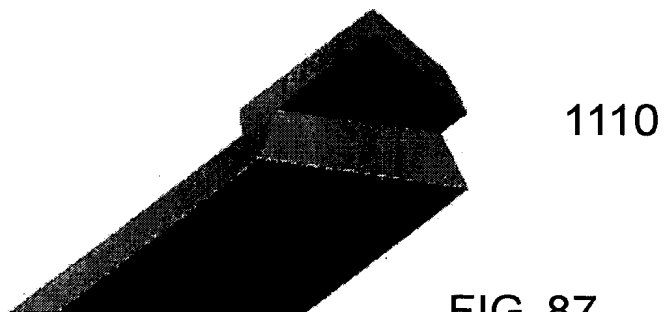


FIG. 87